

Fig. 1

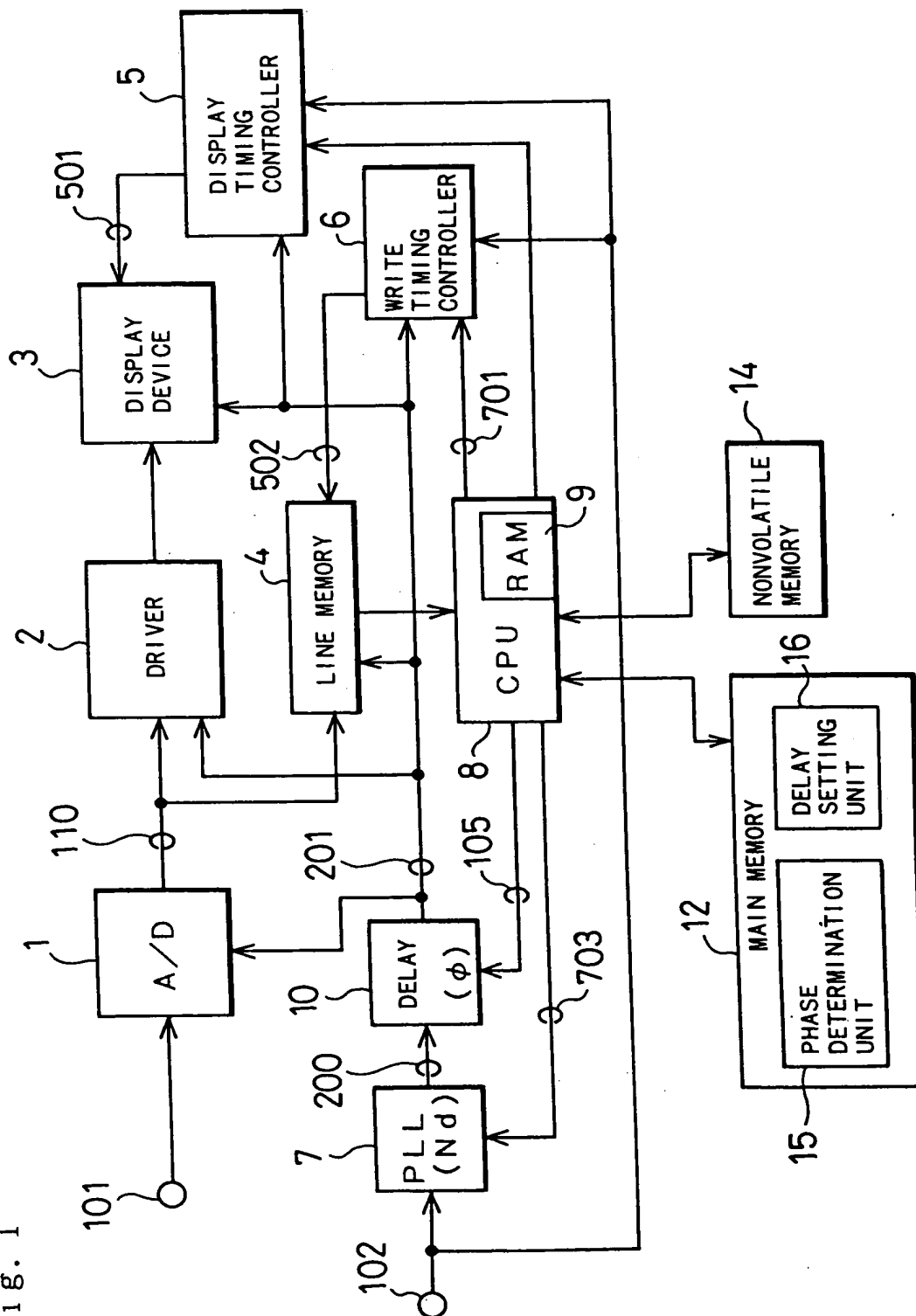


Fig. 2

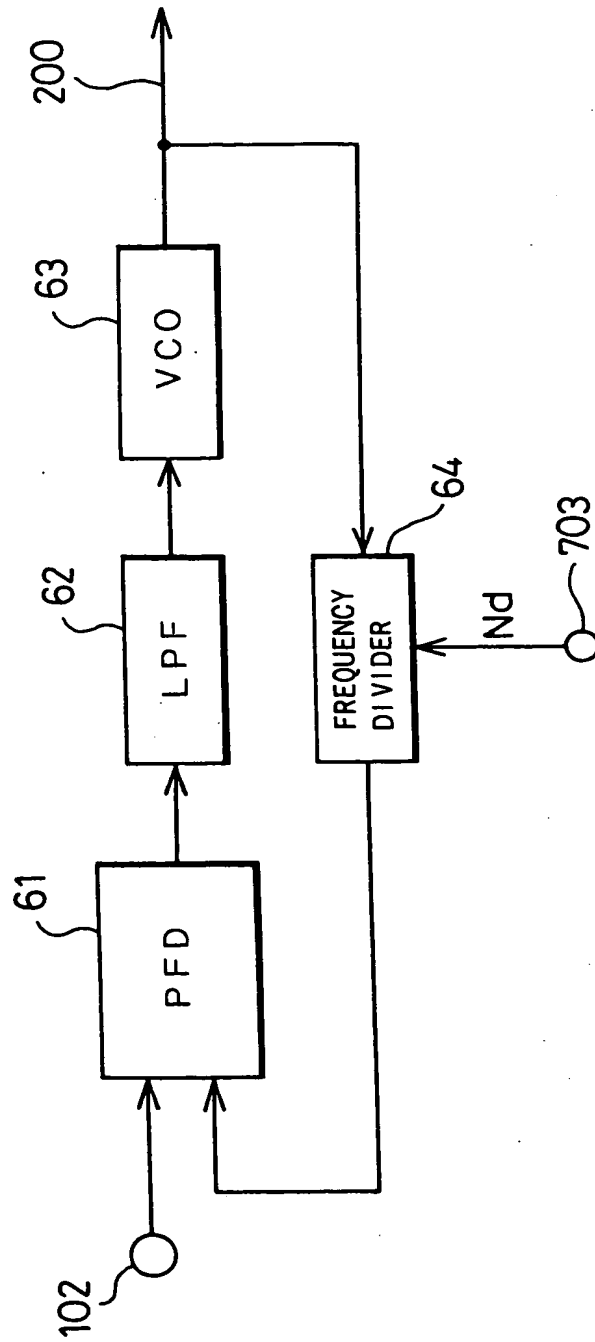


Fig. 3

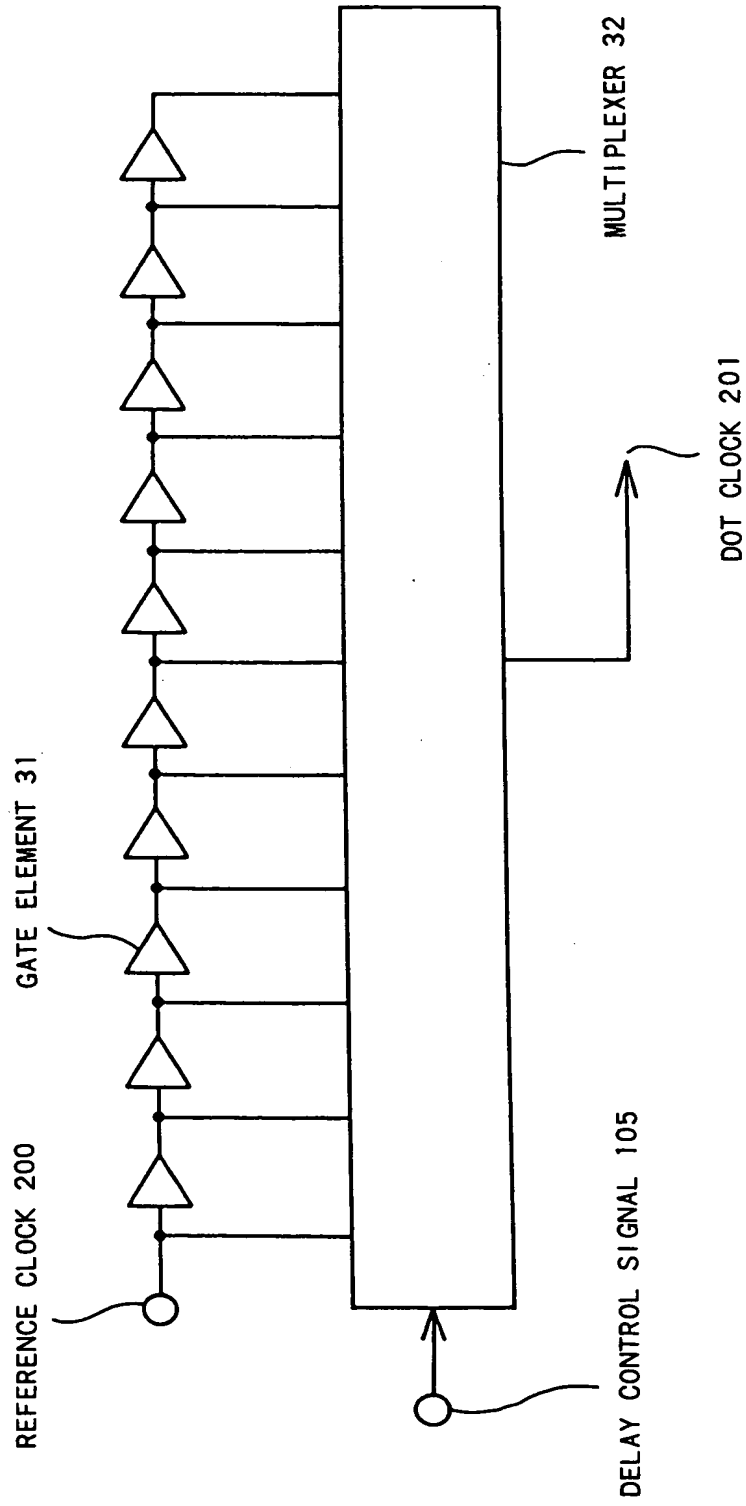


Fig. 4

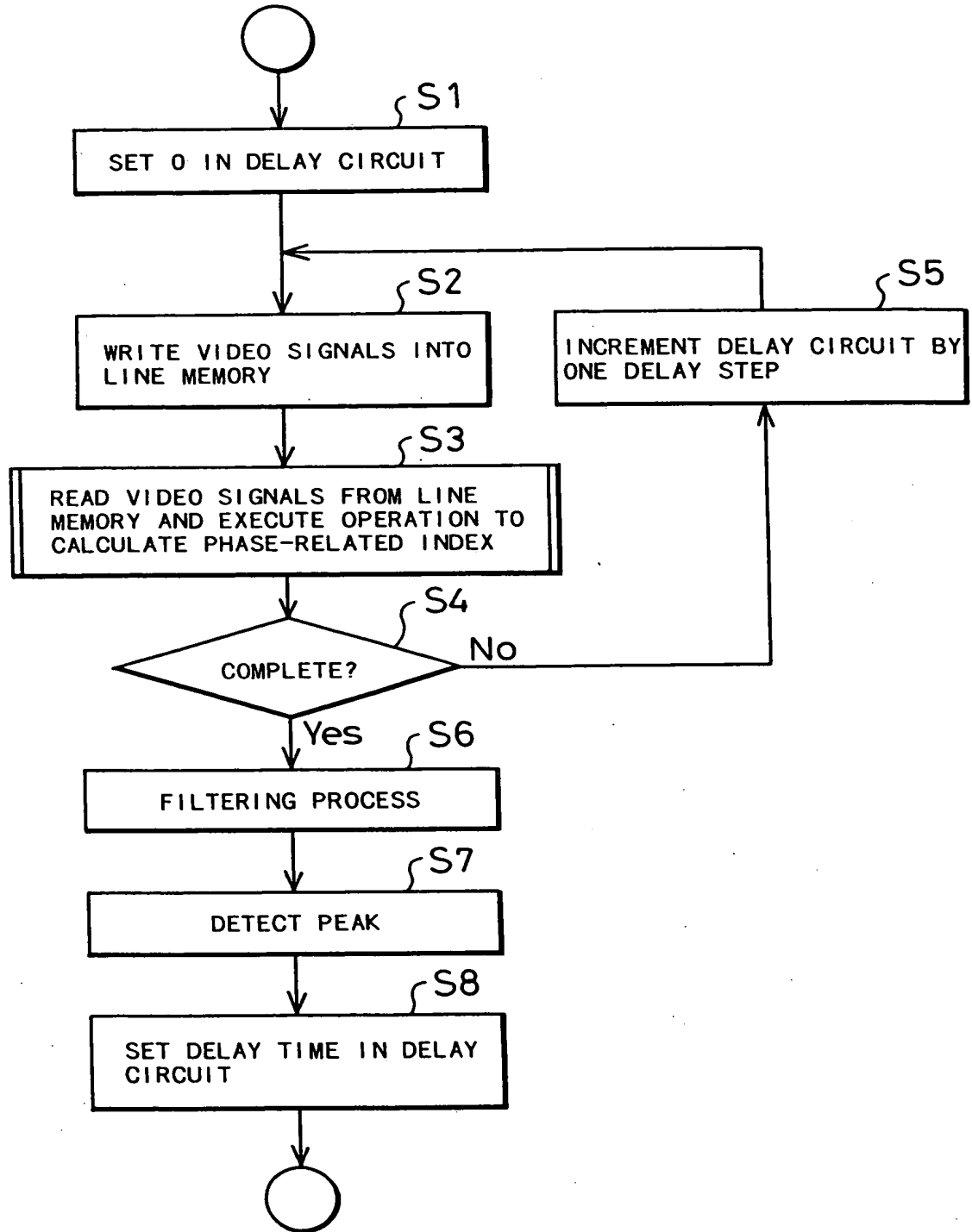


Fig. 5

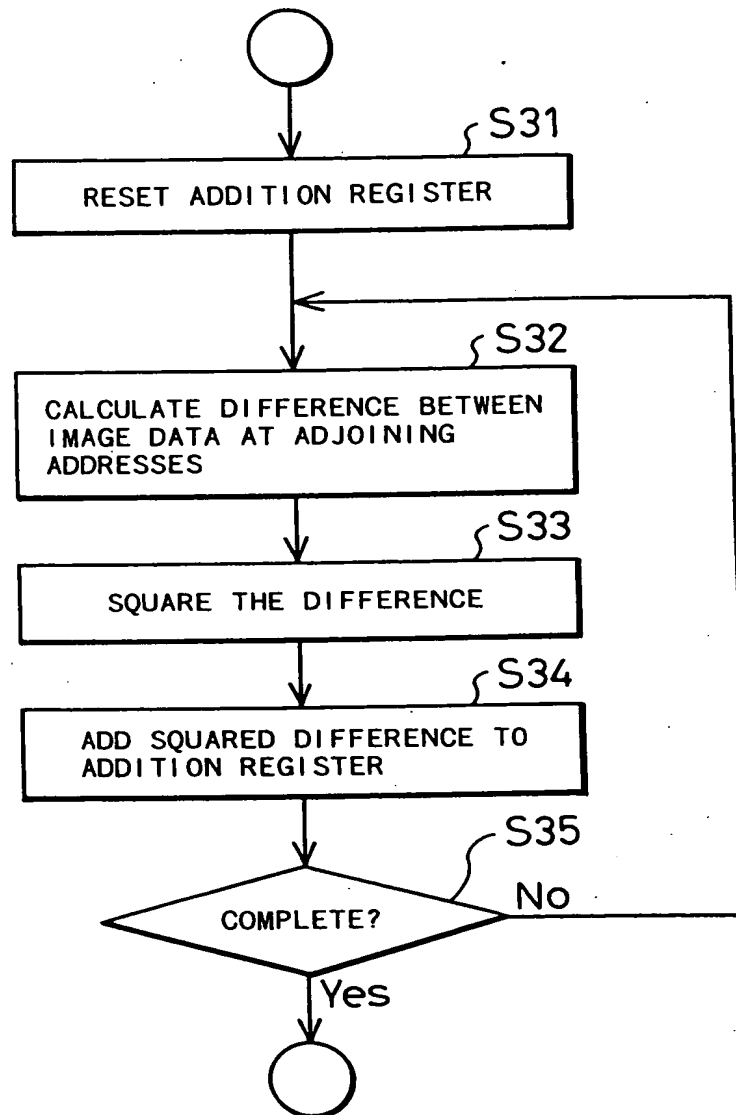


Fig. 6

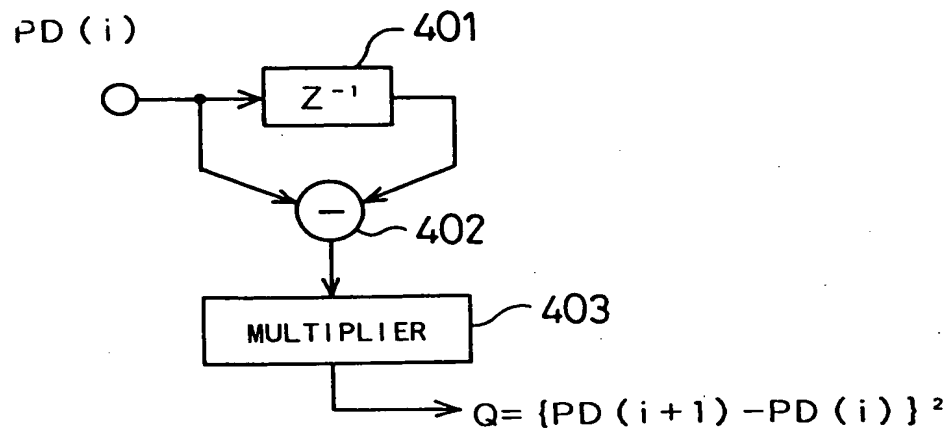
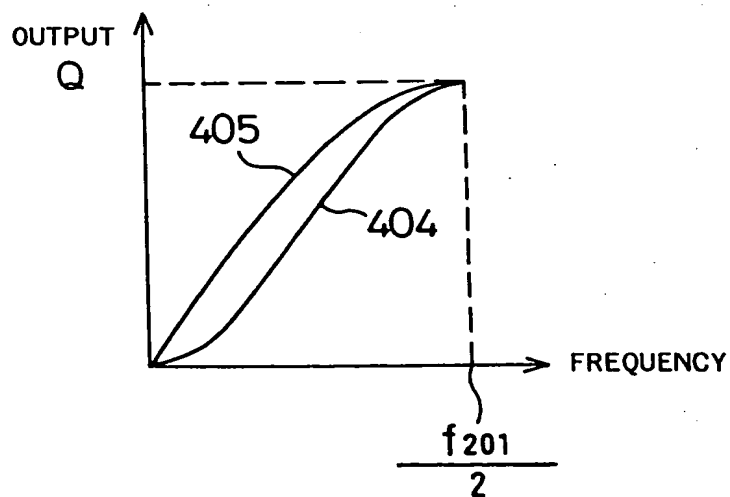


Fig. 7



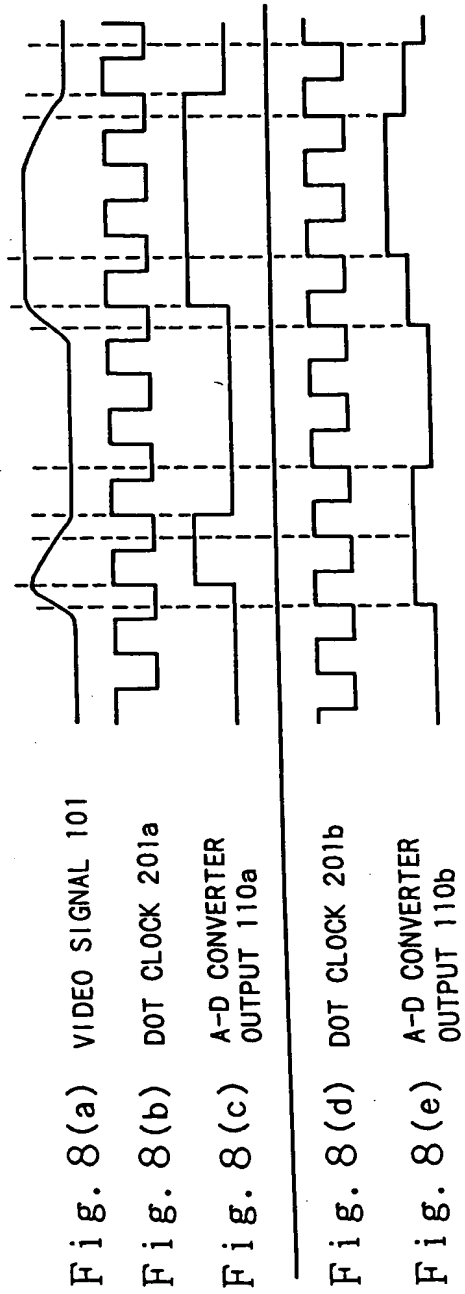


Fig. 9(a) LINE MEMORY
OUTPUT 110a

Fig. 9(b) DELAY BY ONE
CLOCK 221a

Fig. 9(c) DIFFERENCE 222a

Fig. 9(d) SQUARE 223a

Fig. 9(e) LINE MEMORY
OUTPUT 110b

Fig. 9(f) DELAY BY ONE
CLOCK 221b

Fig. 9(g) DIFFERENCE 222b

Fig. 9(h) SQUARE 223b

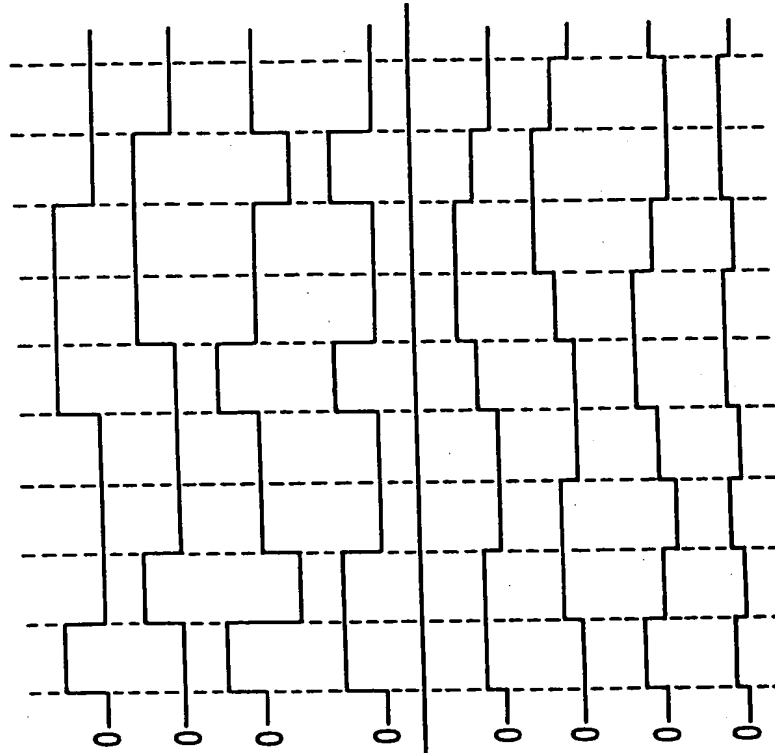


Fig. 10

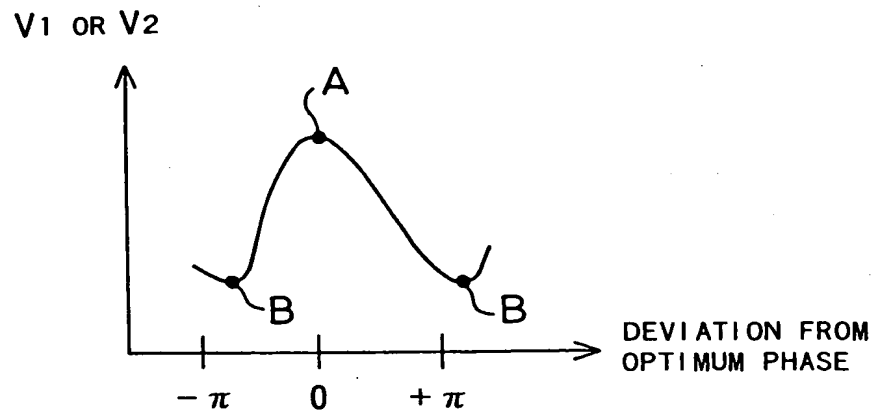


Fig. 11(A)

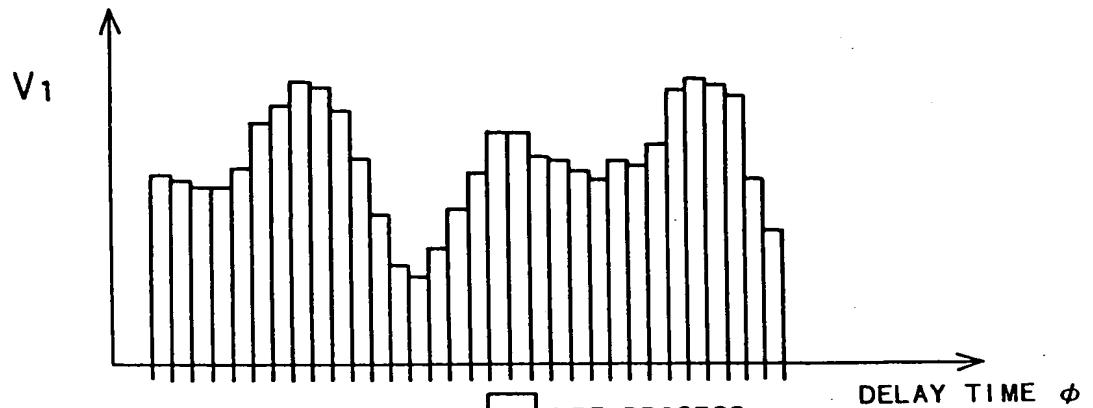


Fig. 11(B)

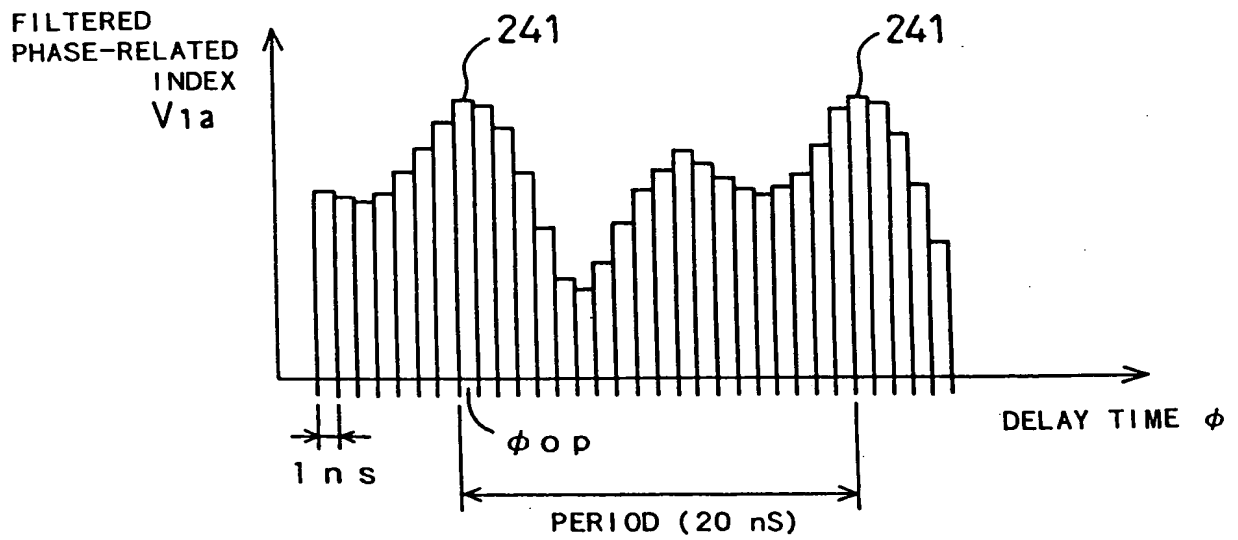


Fig. 12

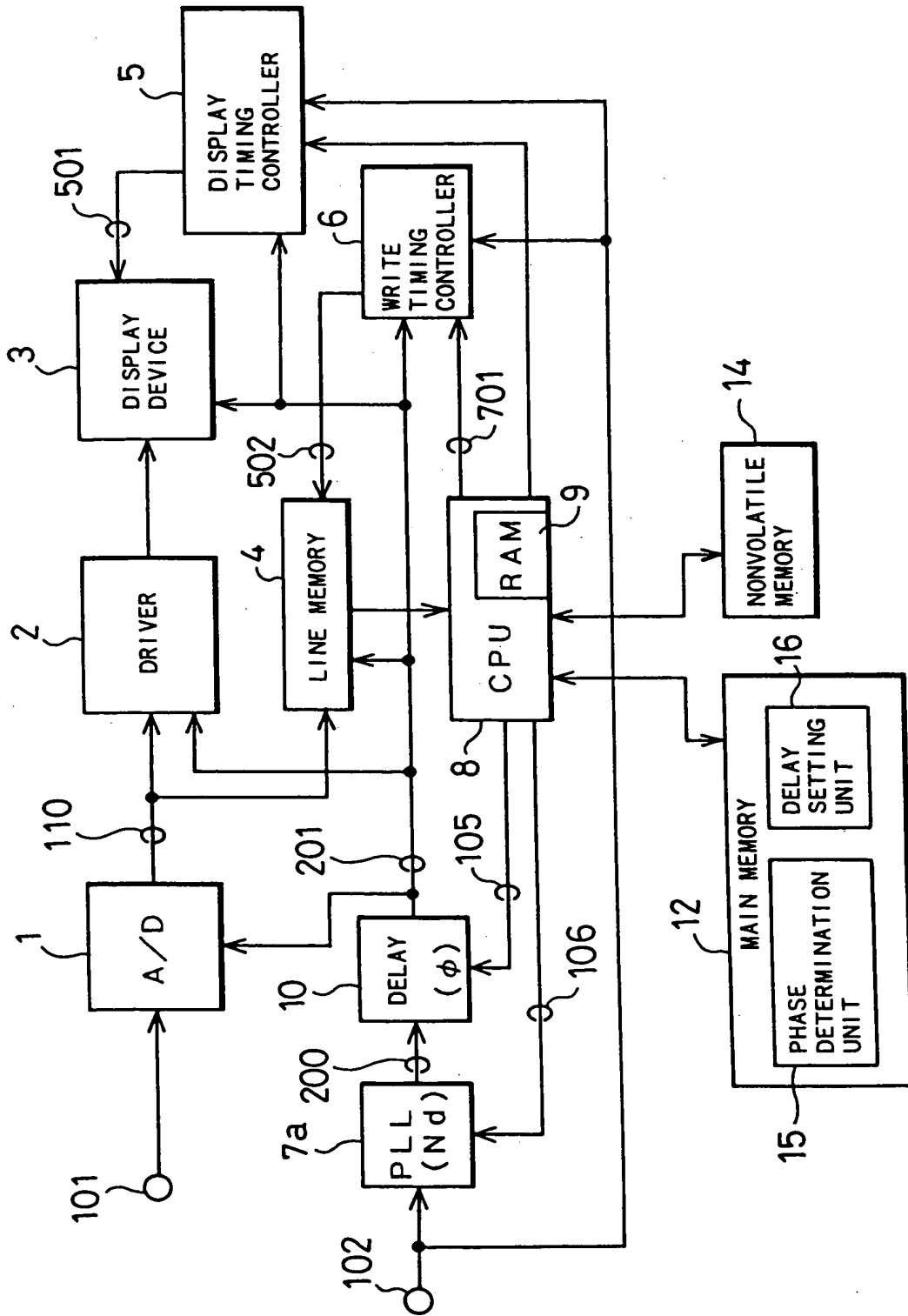


Fig. 13

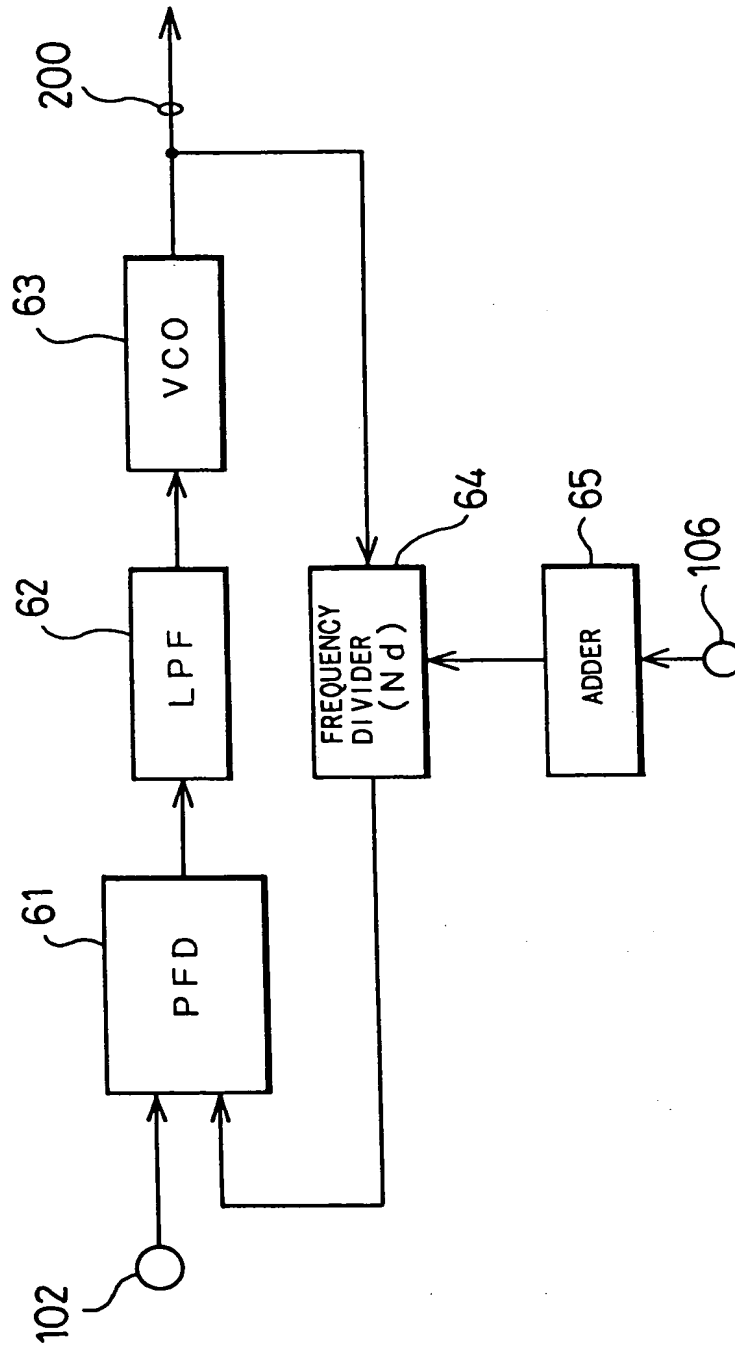


Fig. 14

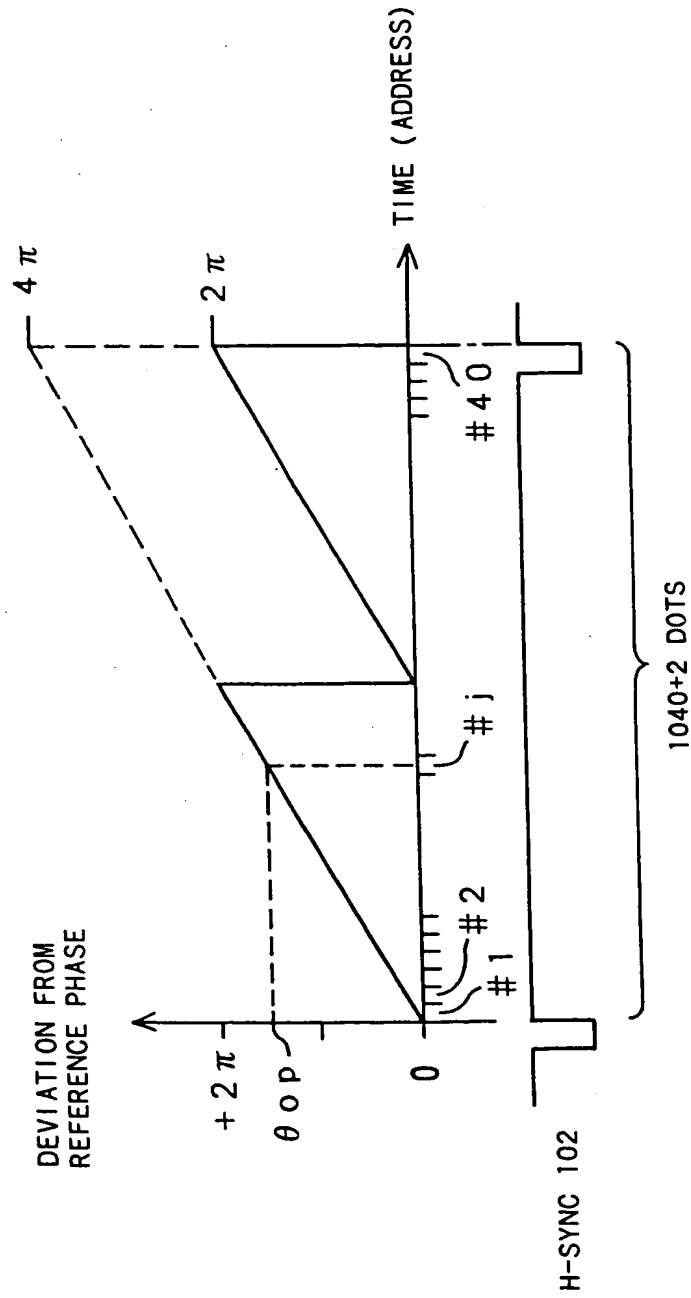


Fig. 15

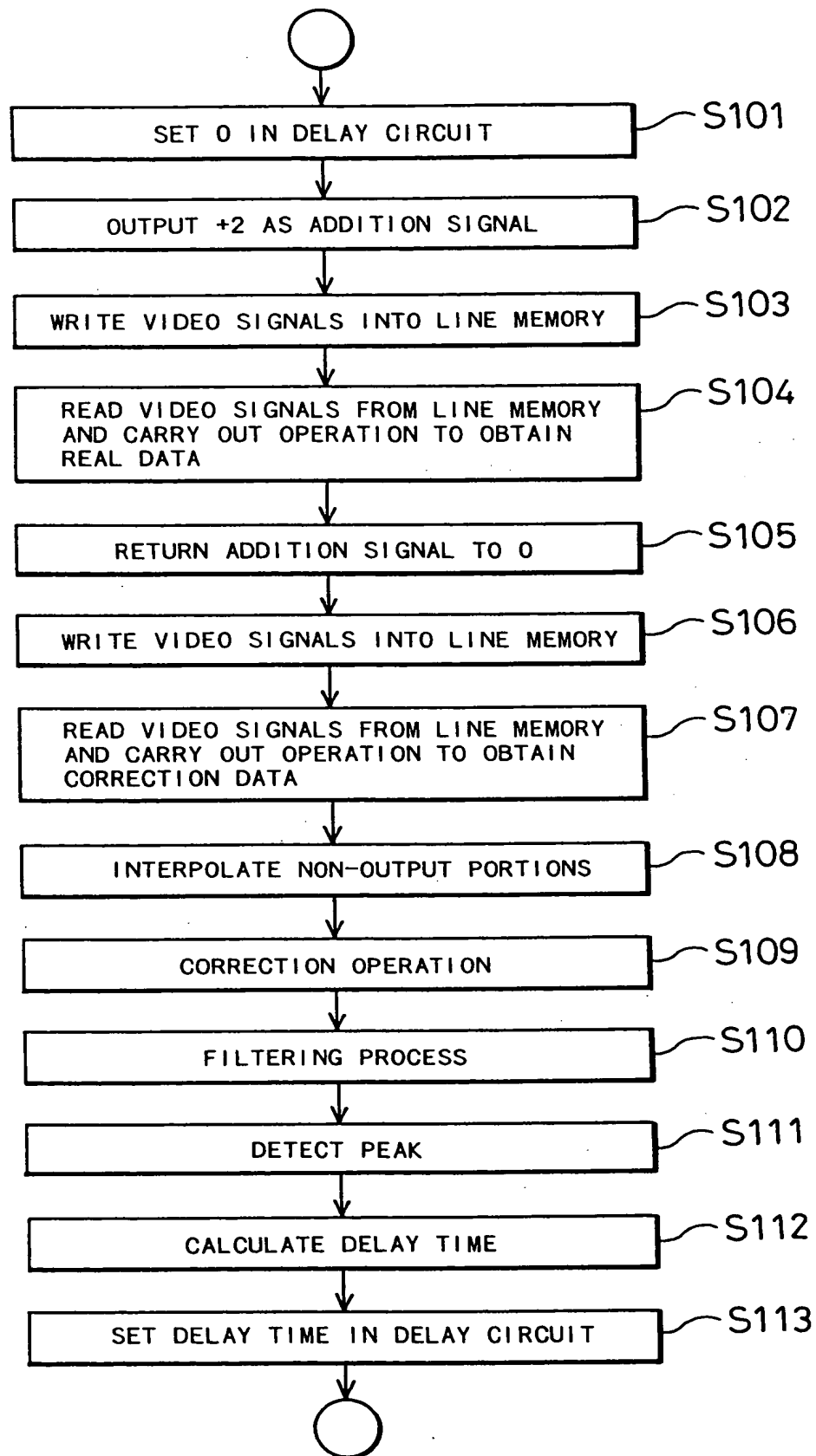


Fig. 16(A)

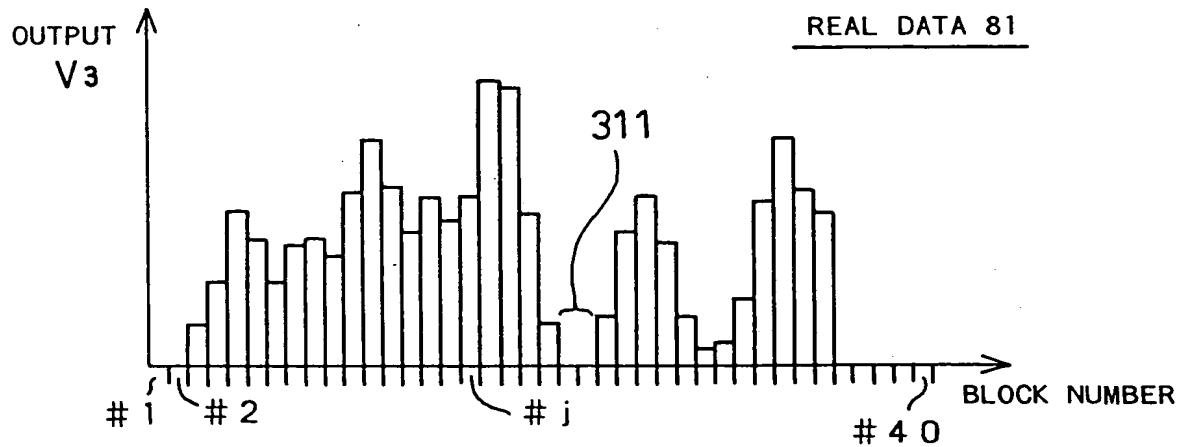


Fig. 16(B)

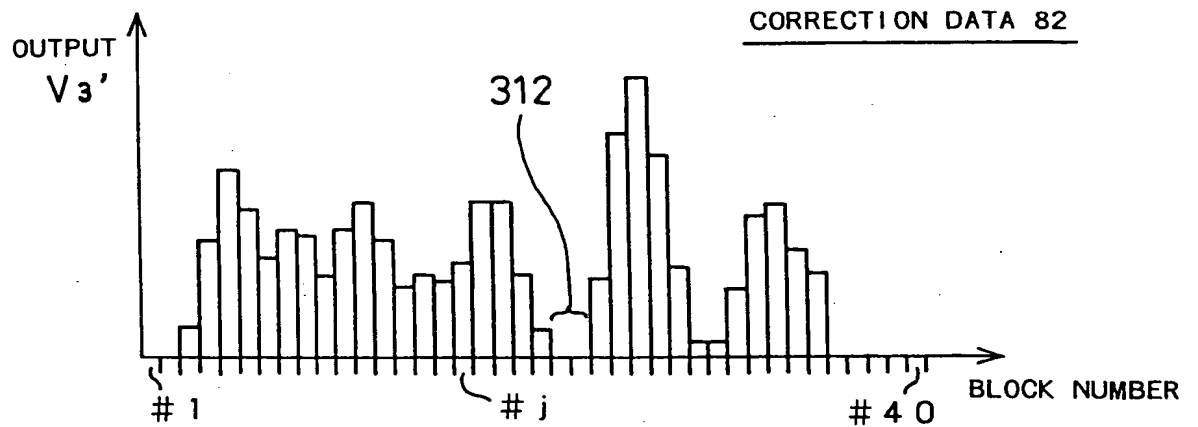


Fig. 16(C)

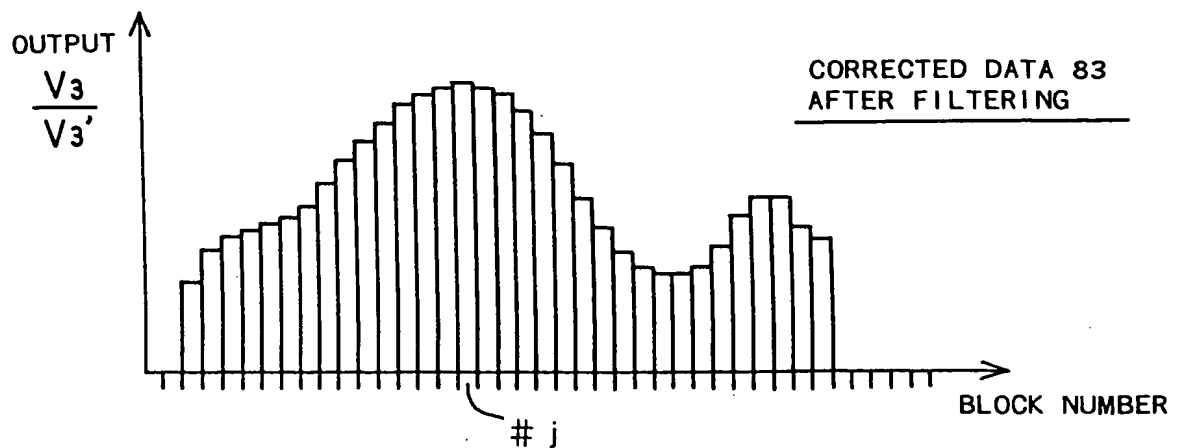
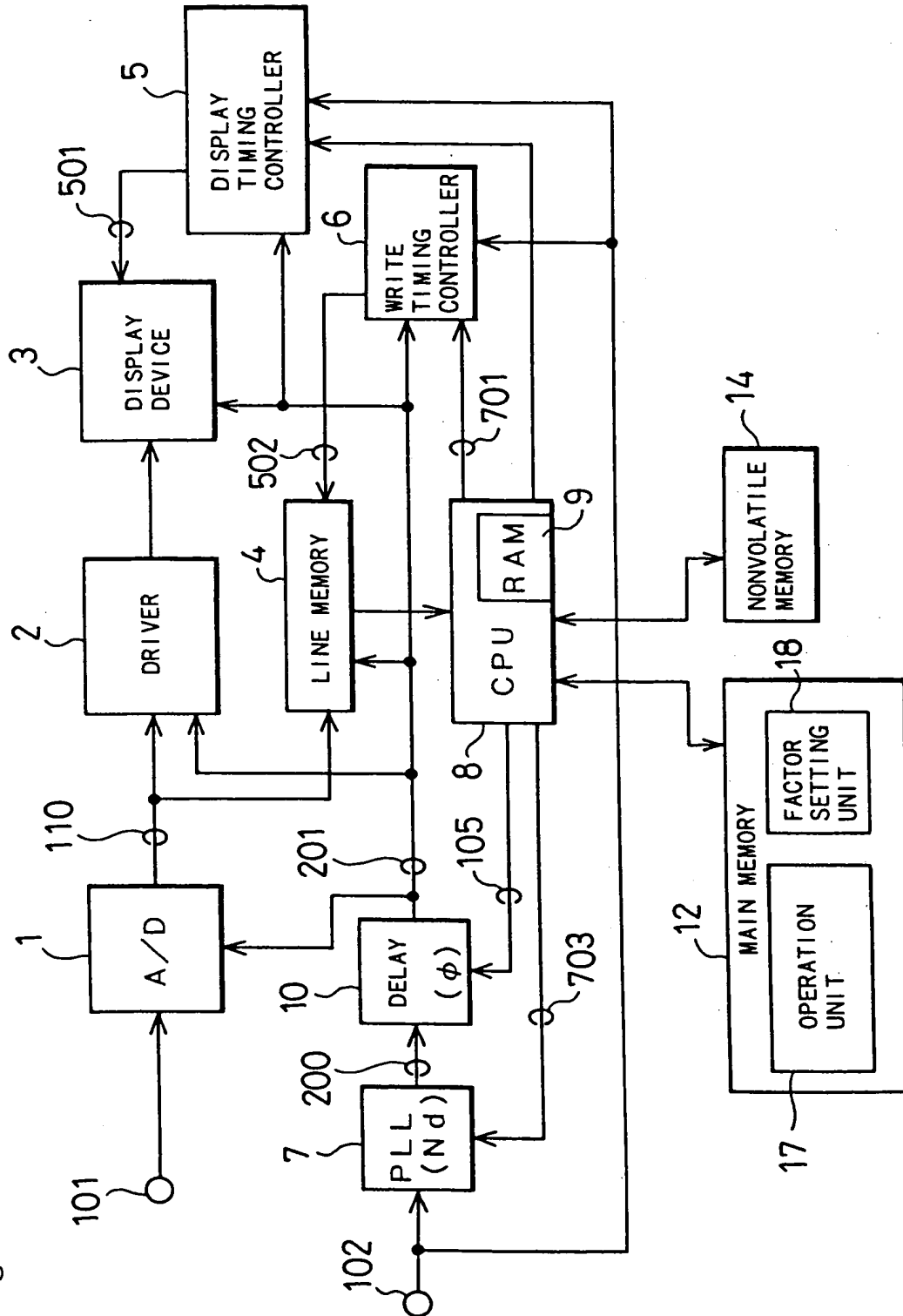


Fig. 17



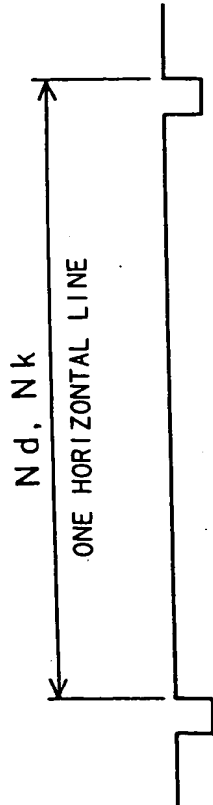


Fig. 18(a) H-SYNC 102

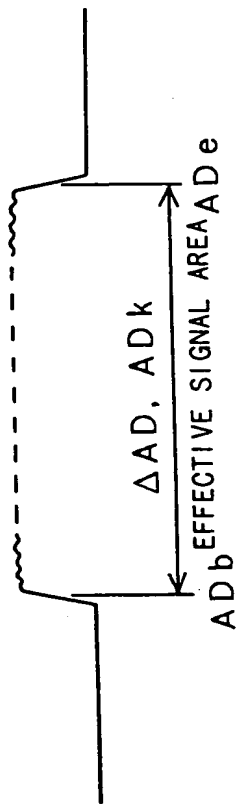
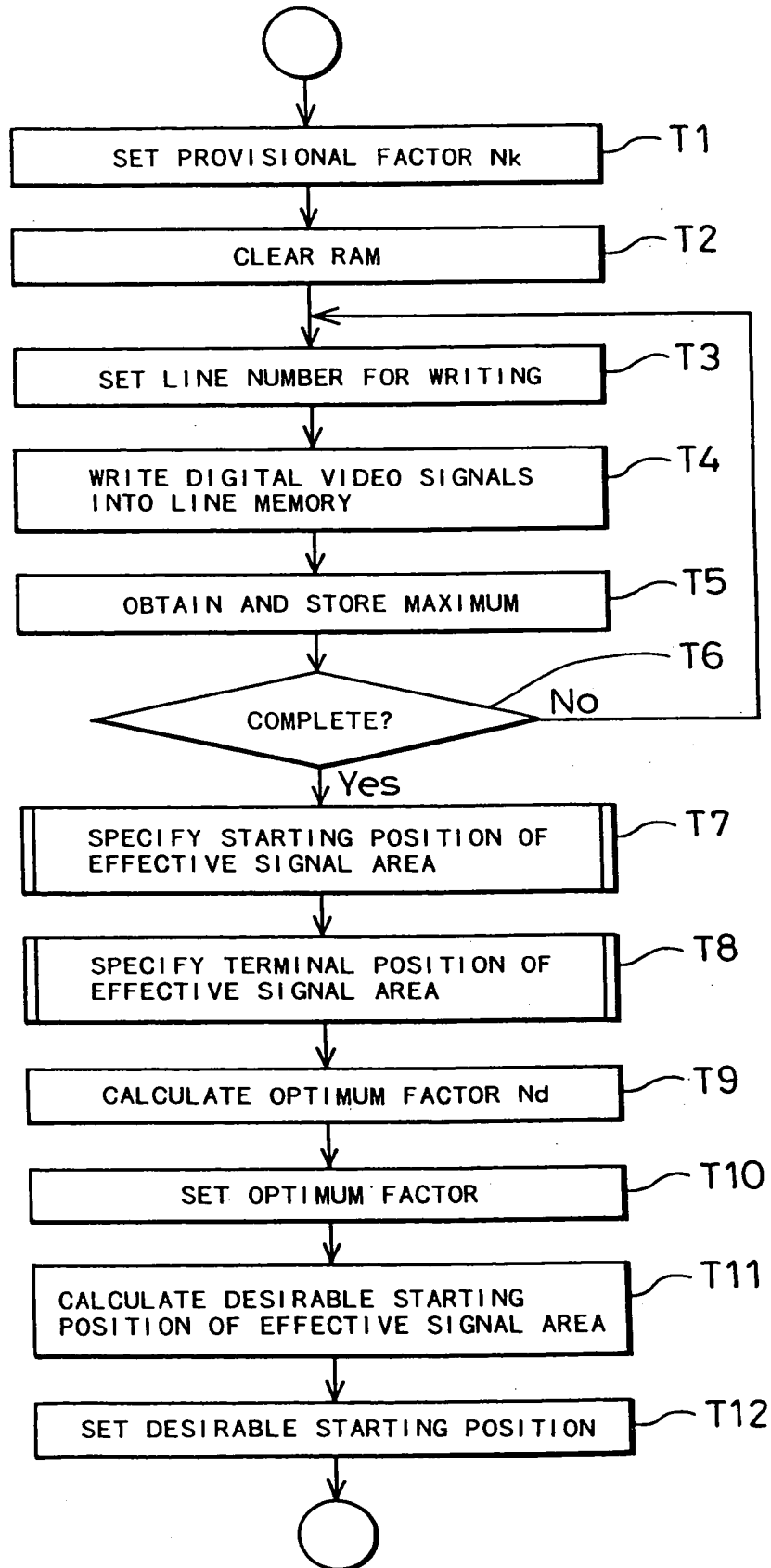


Fig. 18(b) VIDEO SIGNAL 101

$$\frac{N_d}{N_k} = \frac{\Delta AD}{\Delta AD_k}$$

$$N_d = \frac{\Delta AD}{\Delta AD_k} \times N_k$$

Fig. 19



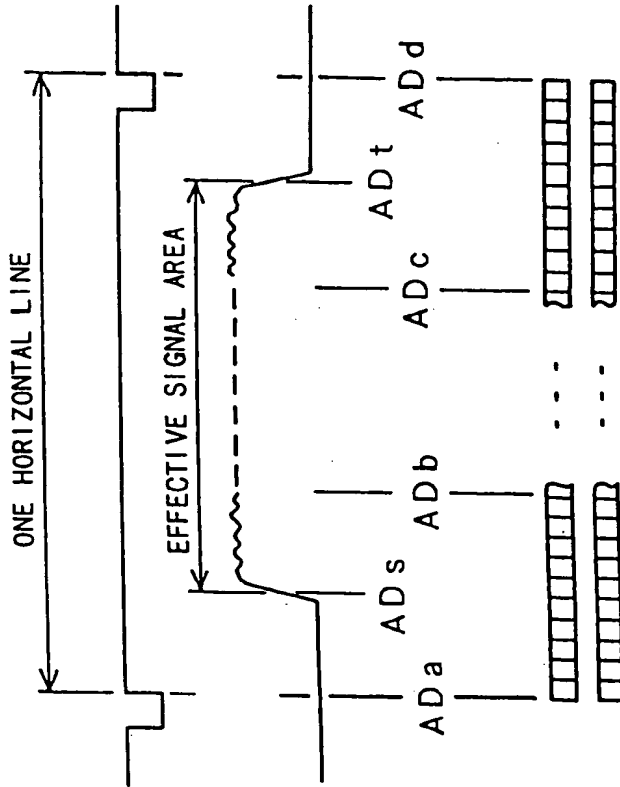


FIG. 20A

H-SYNC 102

FIG. 20B

VIDEO SIGNAL 101

FIG. 20C

IMAGE DATA FOR
PLURAL LINES

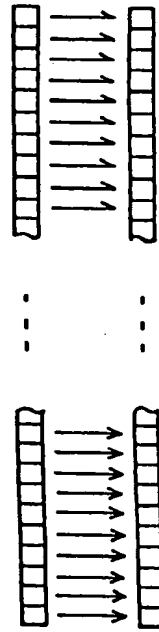


FIG. 20D

MAXIMUM VALUES

Fig. 21

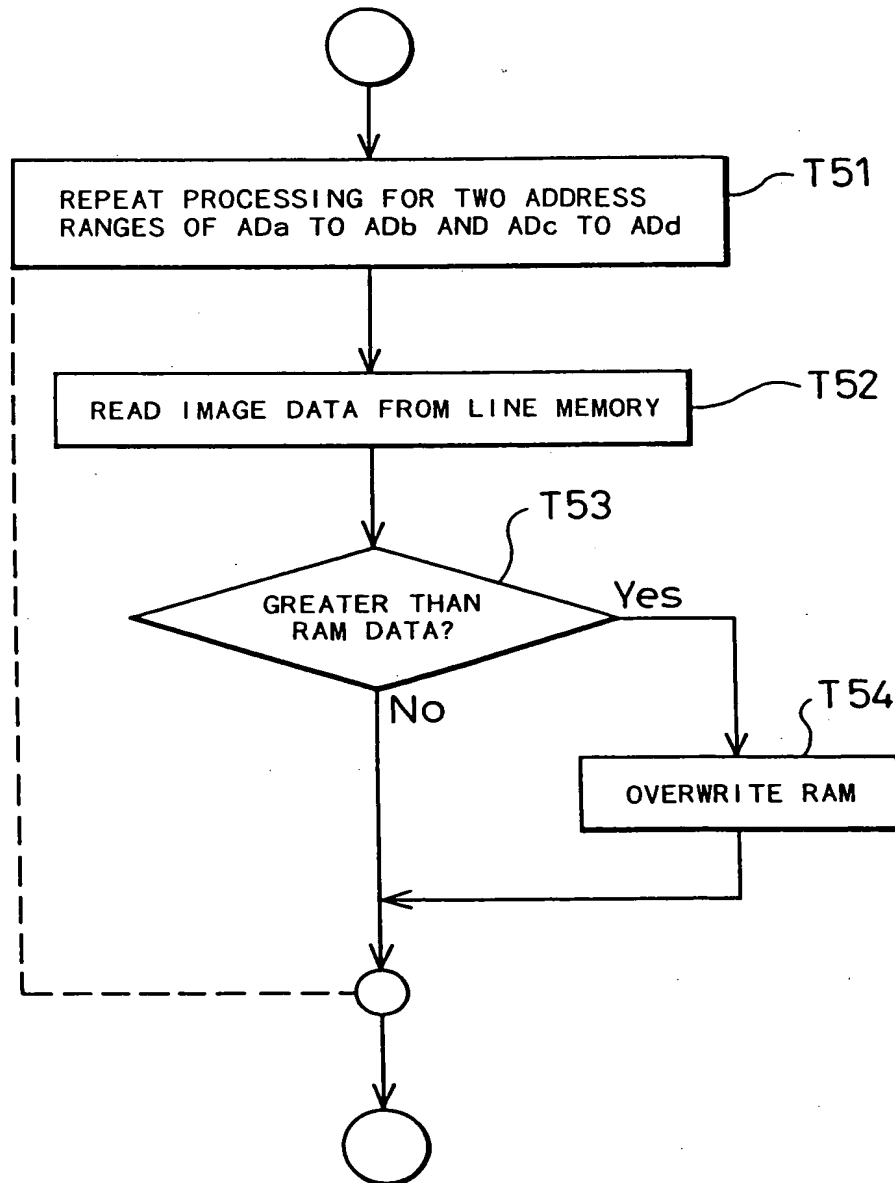


Fig. 22

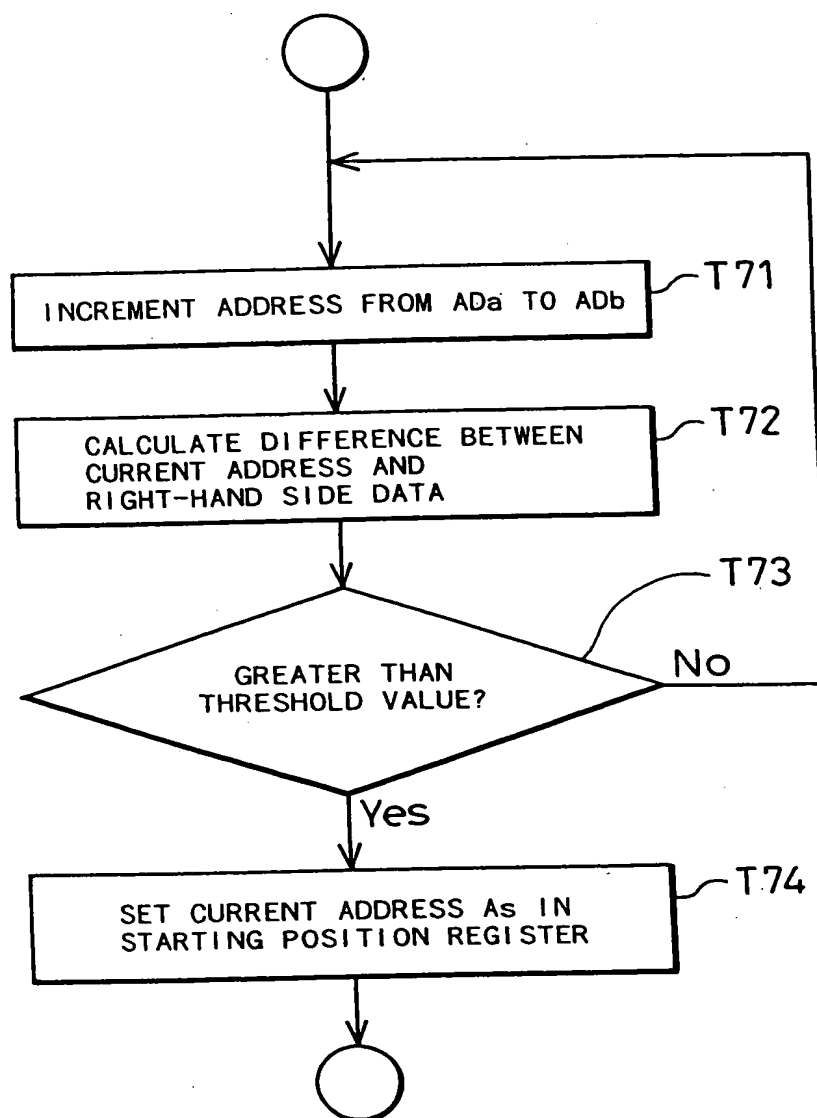


Fig. 23

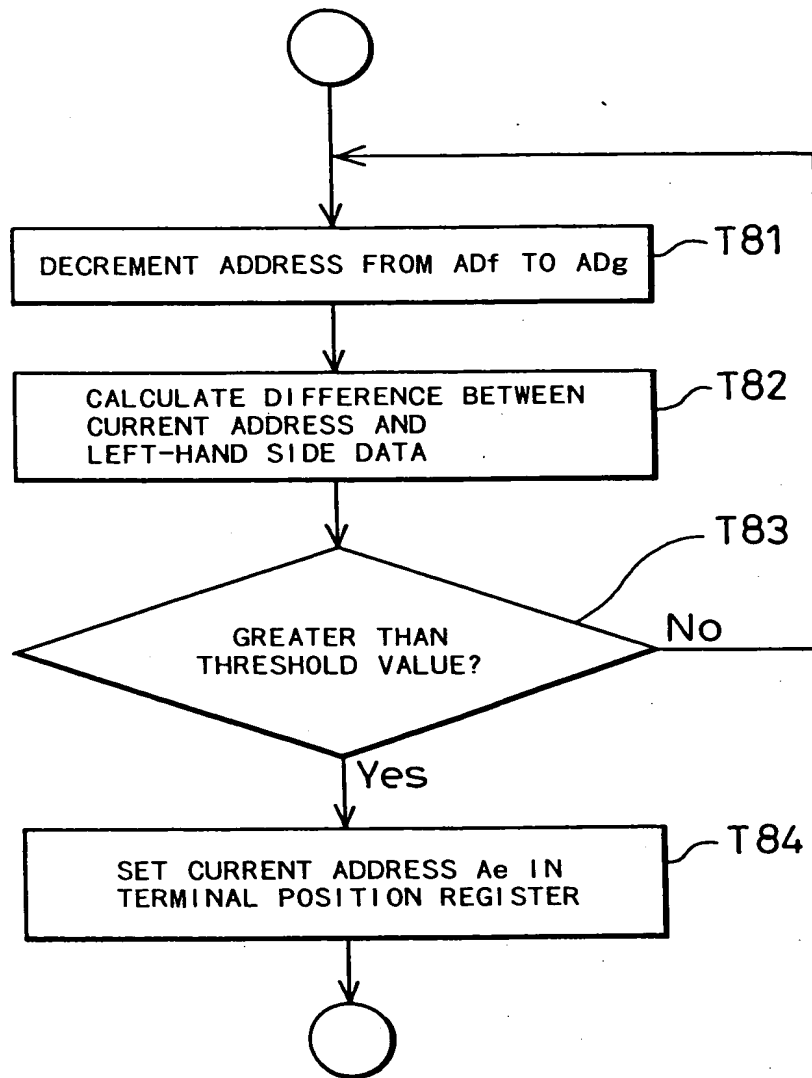


Fig. 24

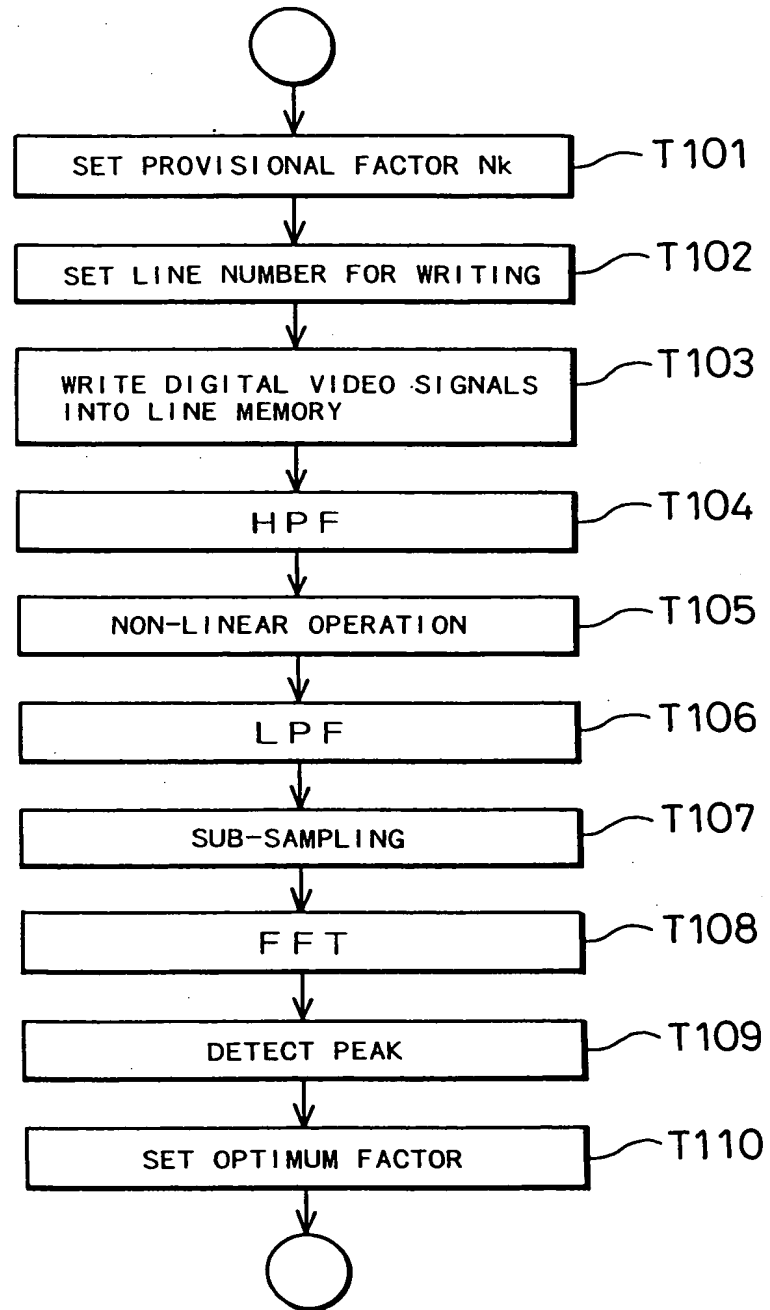


Fig. 25(a)

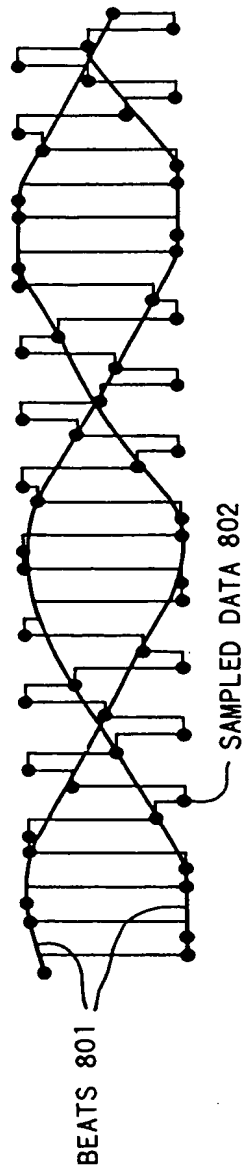


Fig. 25(b)

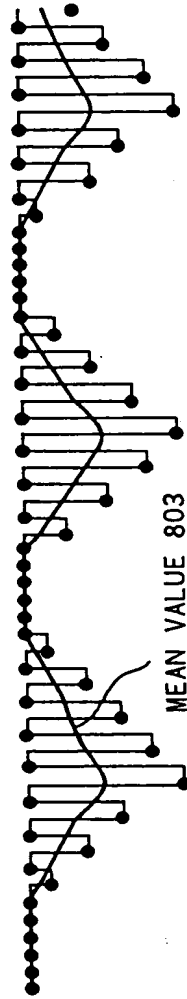


Fig. 26(a)

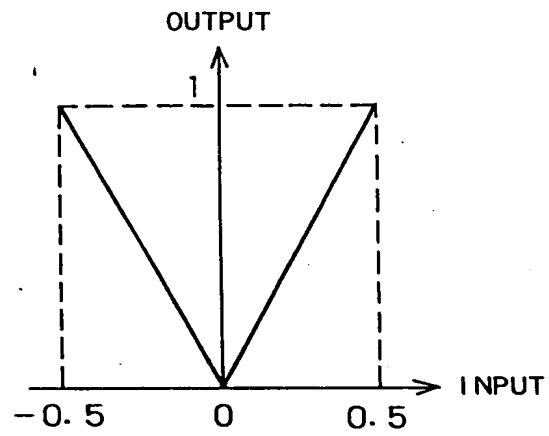


Fig. 26(b)

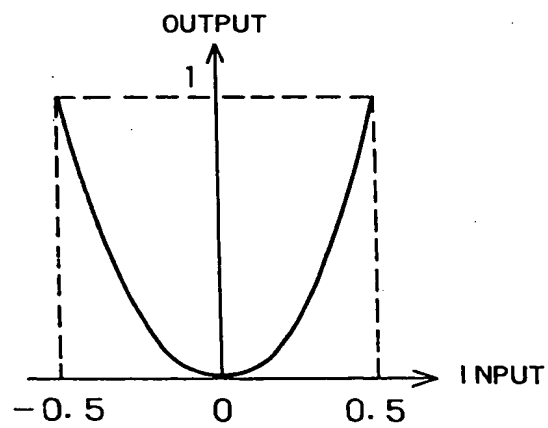


Fig. 27

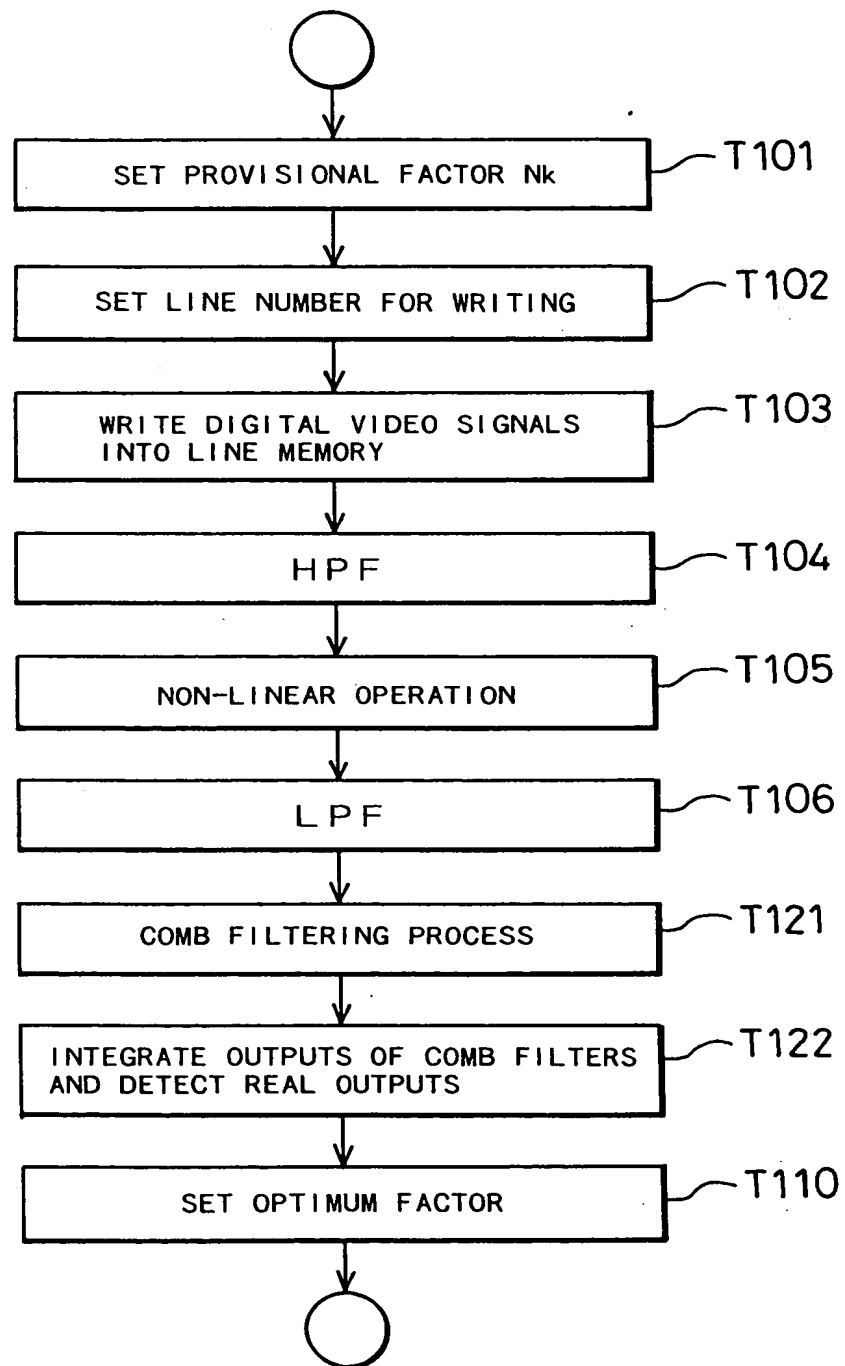


Fig. 28

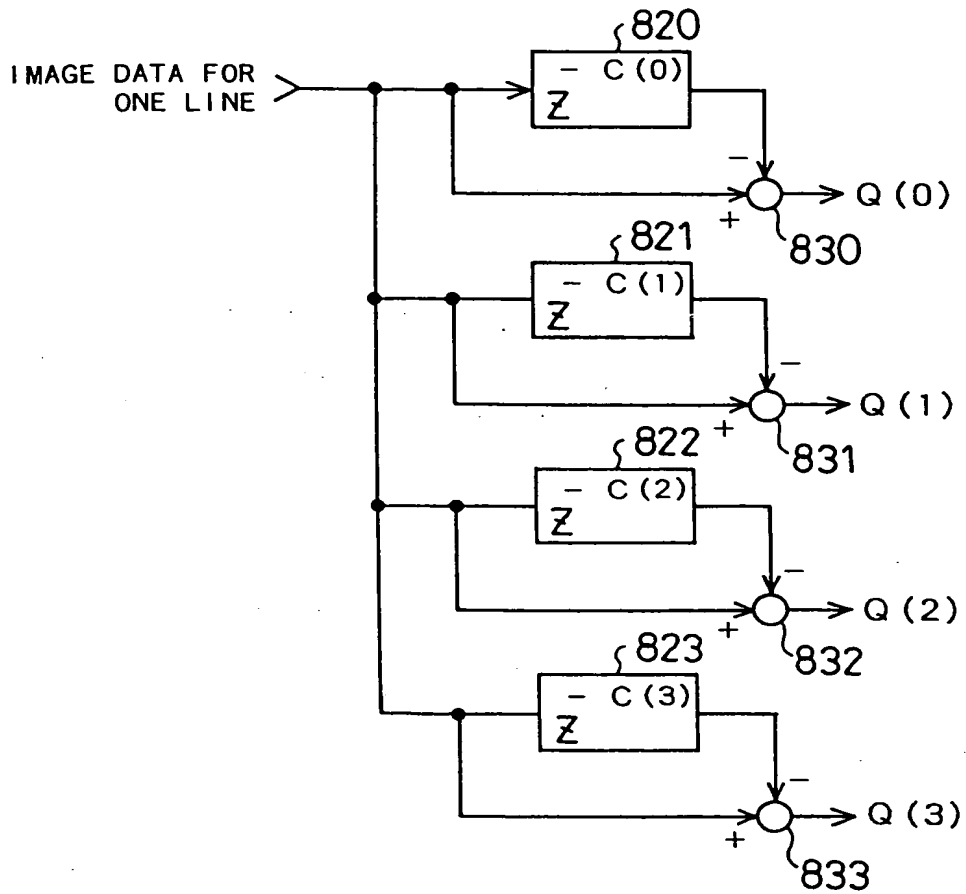


Fig. 29

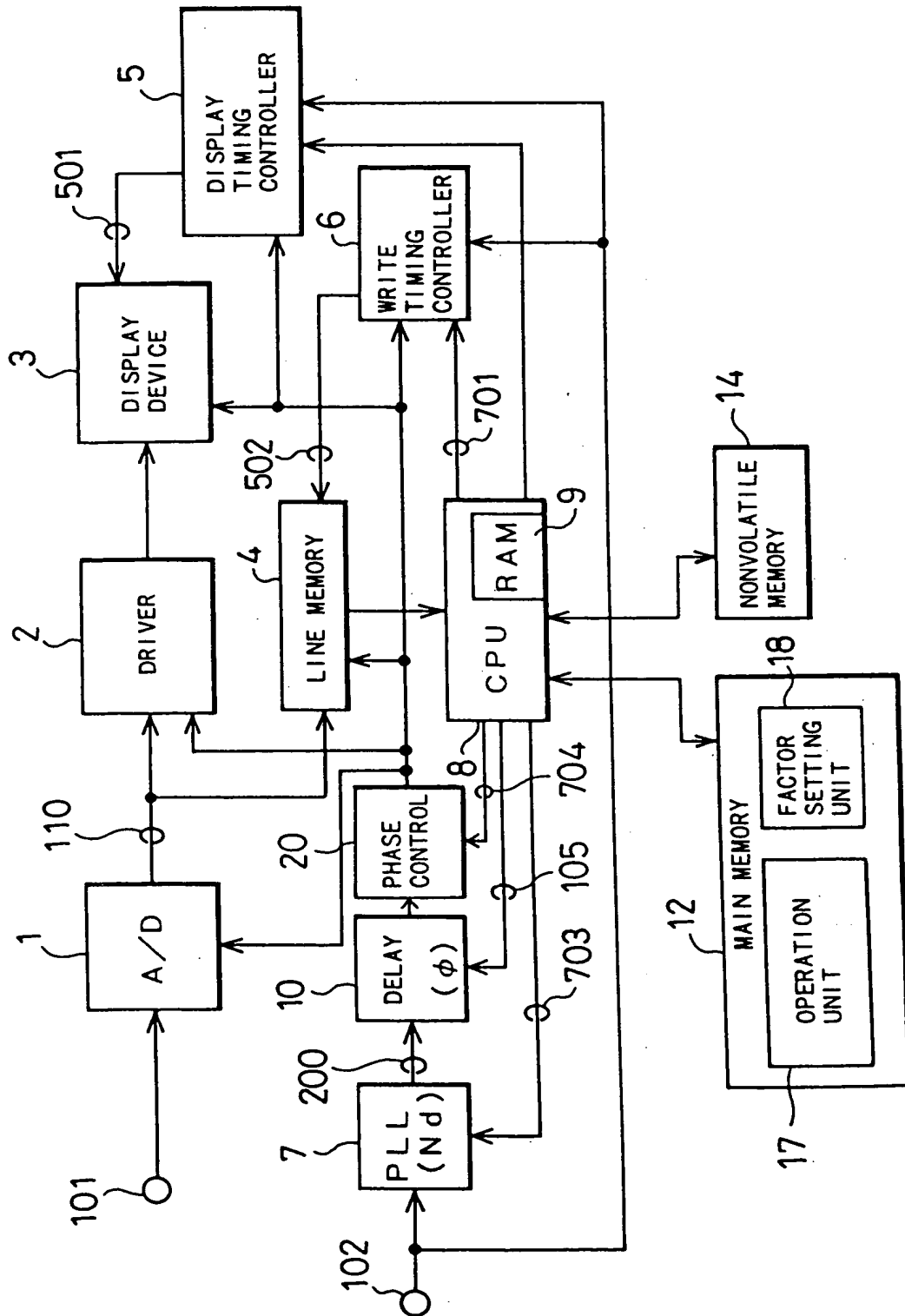


Fig. 30

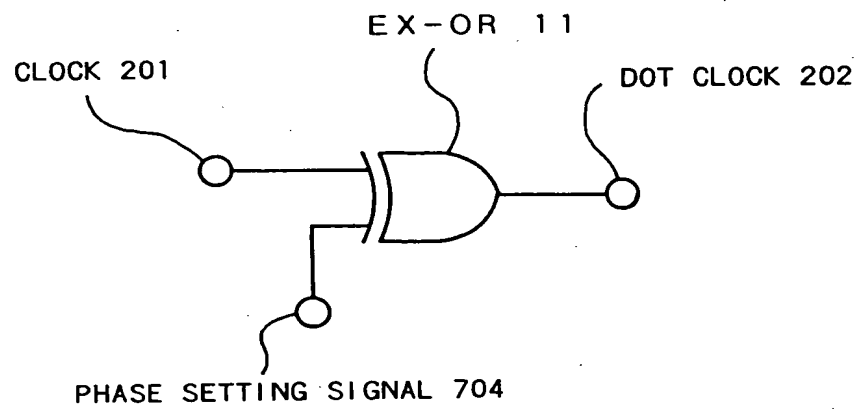


Fig. 31

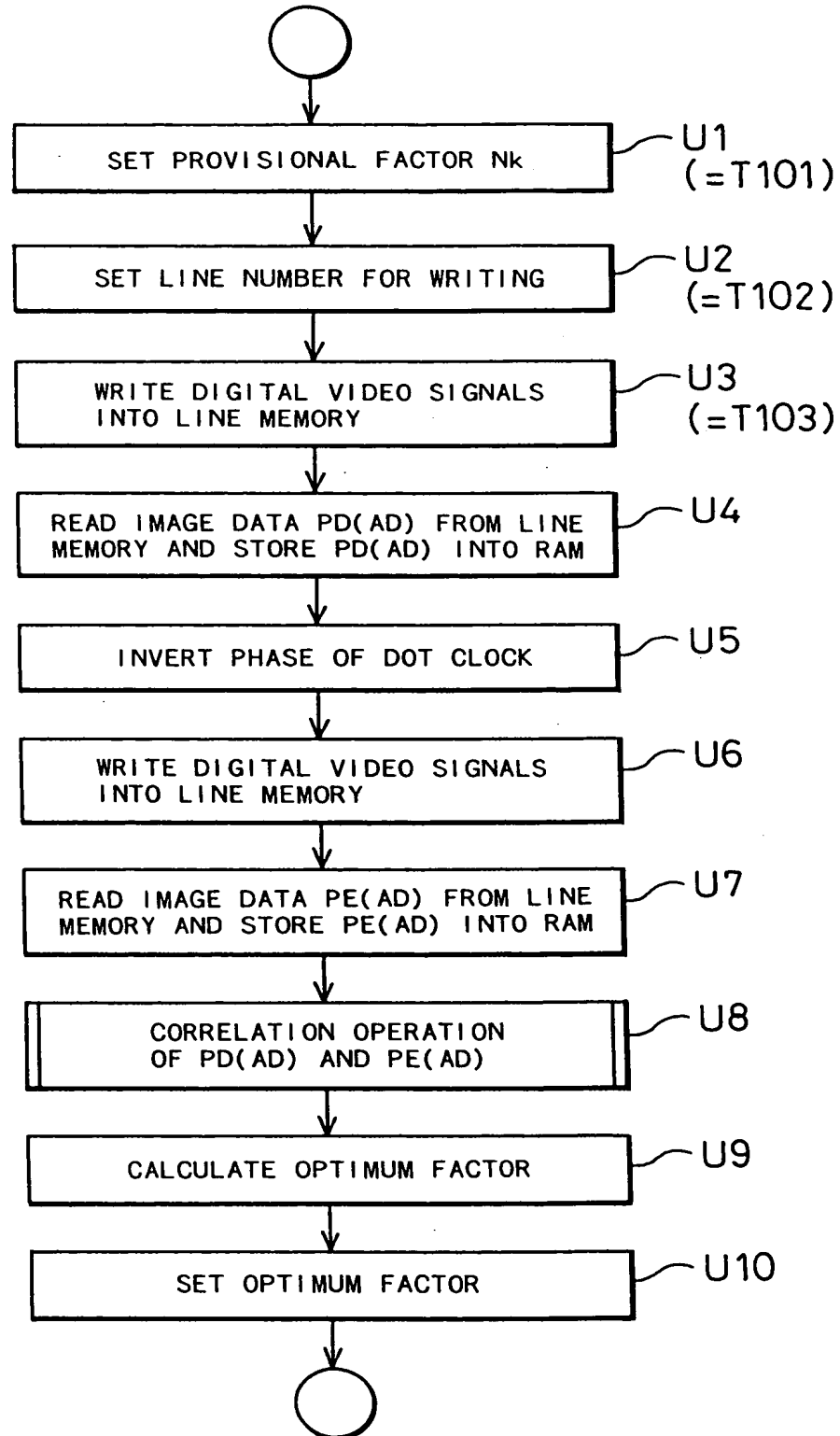


Fig. 32

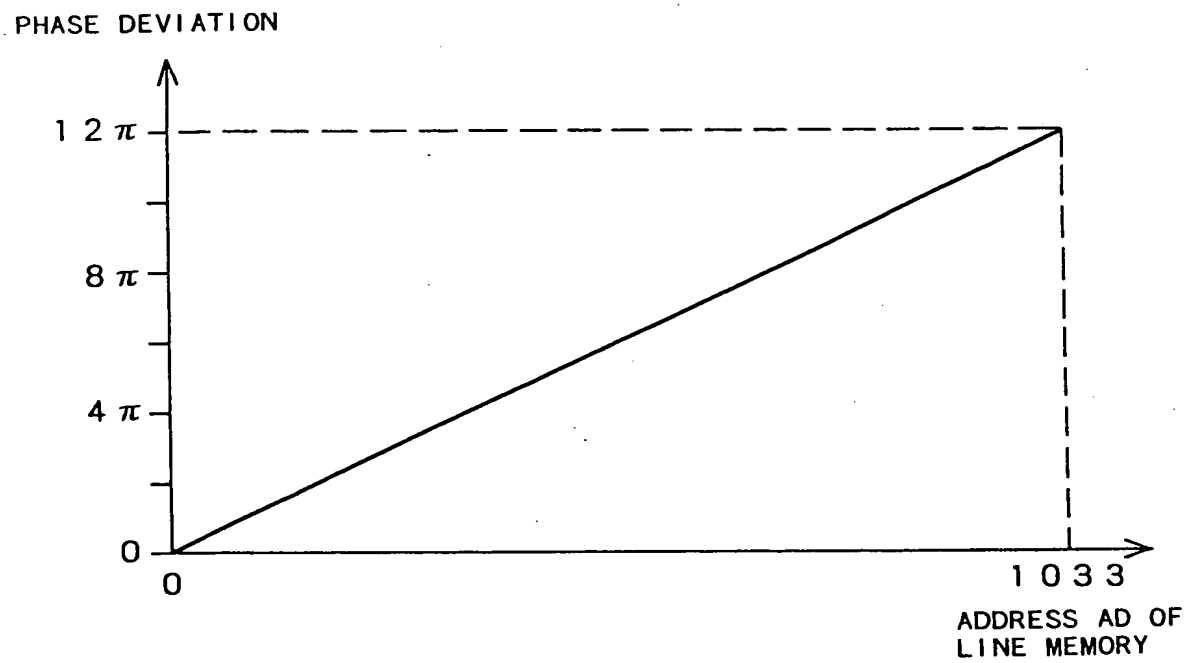


Fig. 33(a)

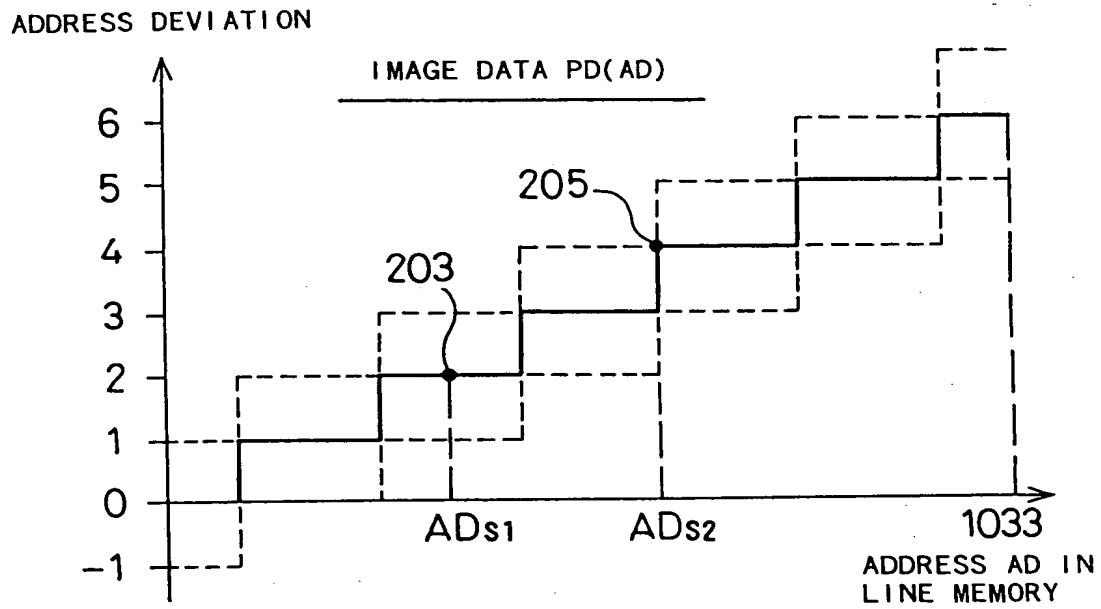


Fig. 33(b)

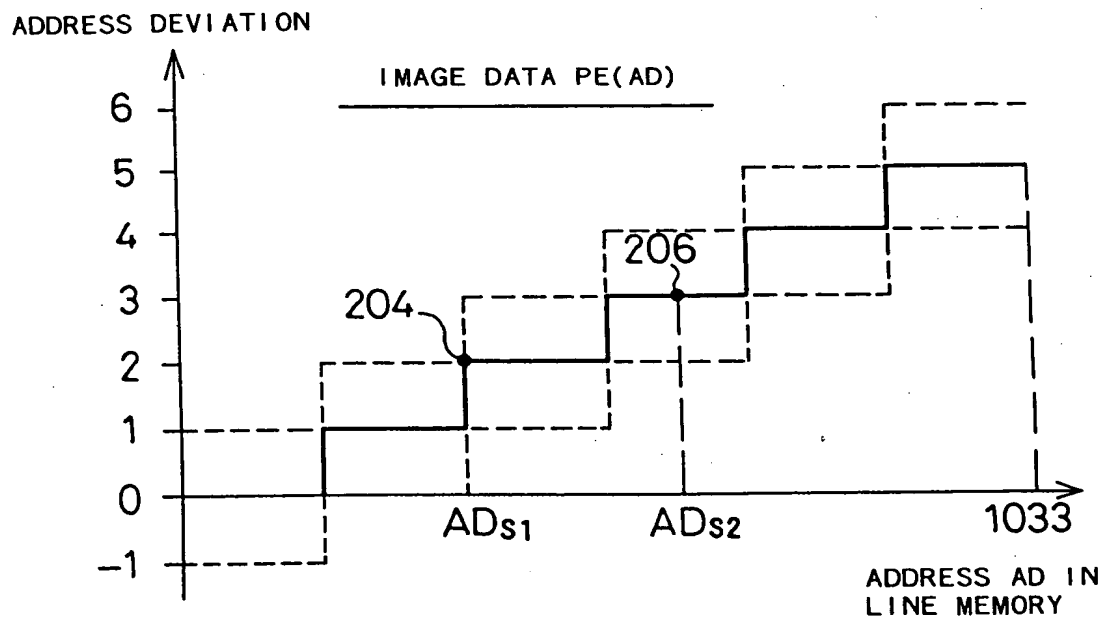


Fig. 34(a) PD (AD)

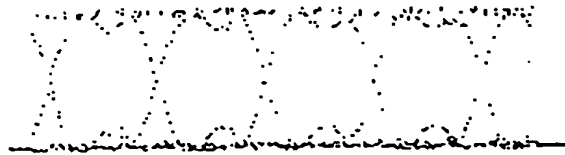


Fig. 34(b) PE (AD)

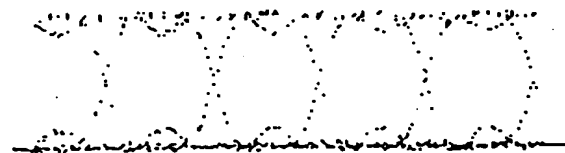


Fig. 34(c) A (AD)



Fig. 34(d) B (AD)



Fig. 34(e) C (AD)



Fig. 34(f) Q1 (AD)

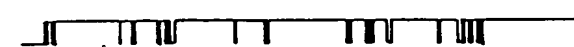


Fig. 34(g) Q2 (AD)



Fig. 35(a)

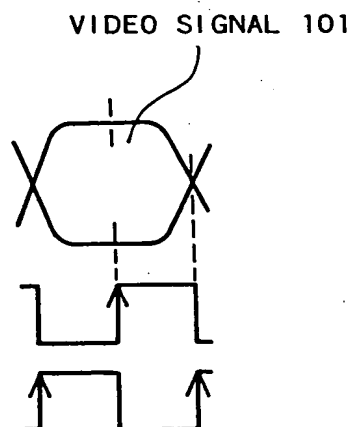
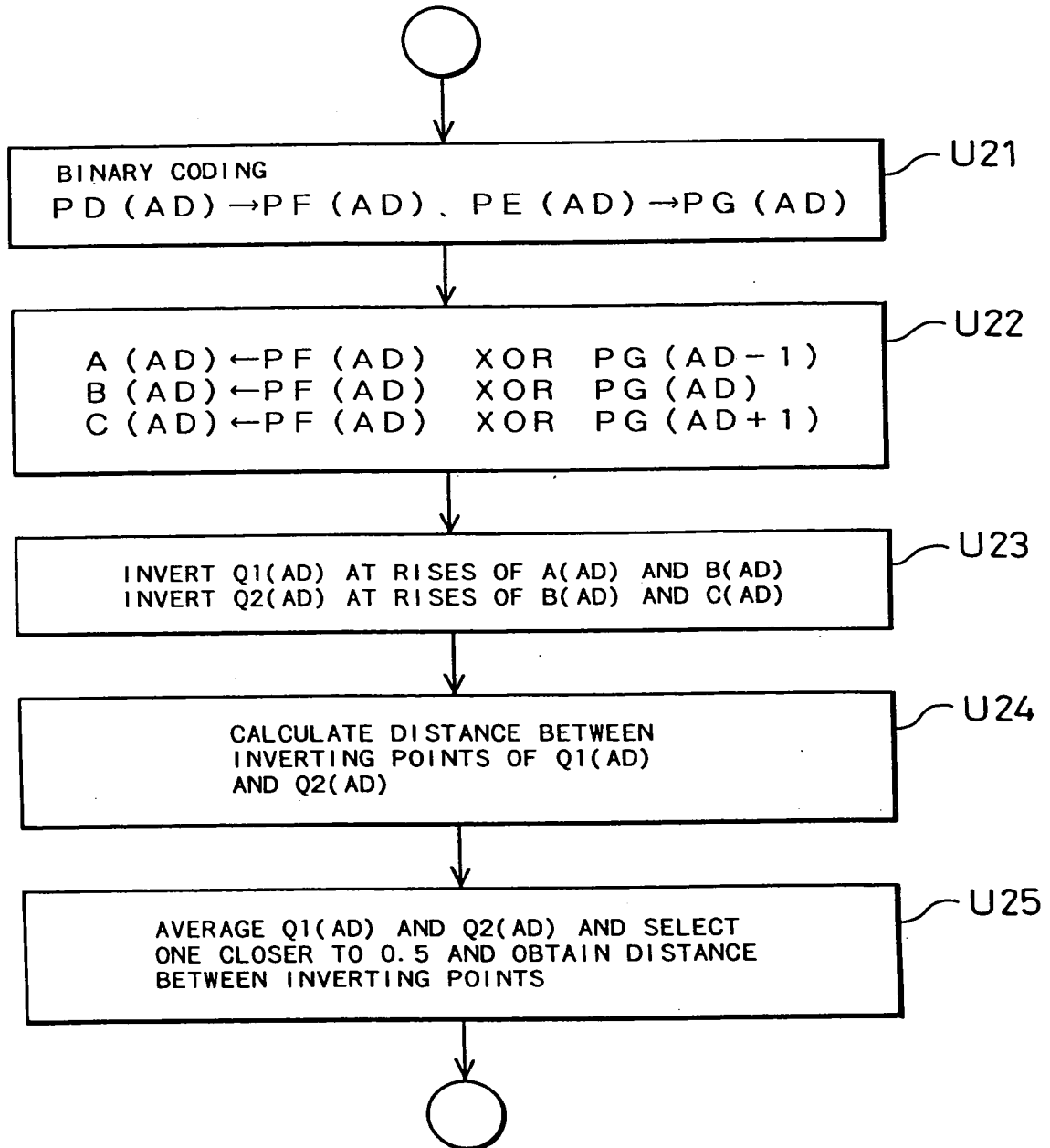


Fig. 35(b)

Fig. 35(c)

Fig. 36



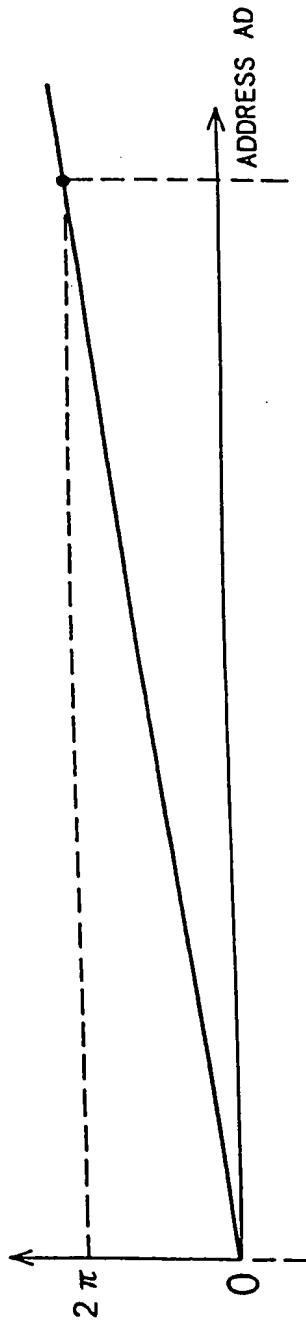


FIG. 37A
PHASE DEVIATION

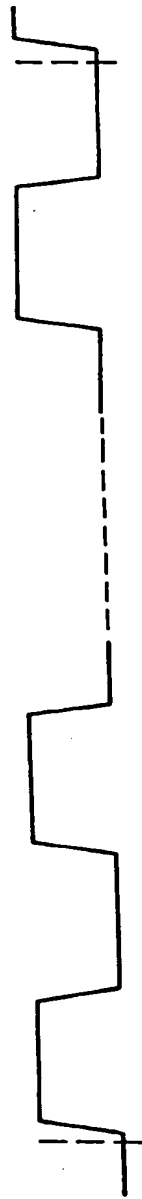


FIG. 37B
VIDEO SIGNAL 101



FIG. 37C
SAMPLING OF BINARY
DATA PF(AD)

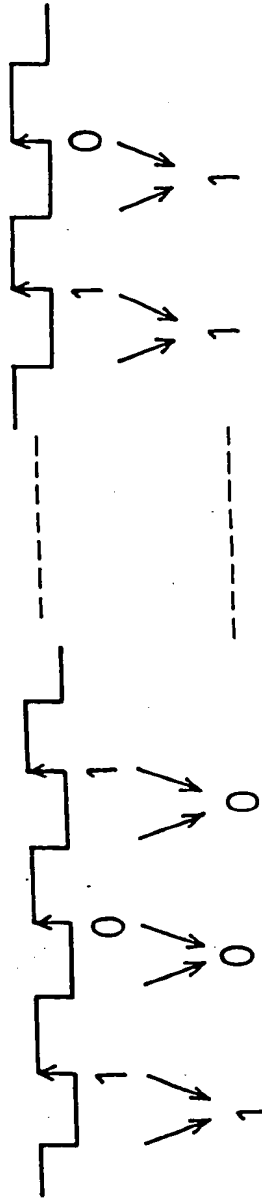


FIG. 37D
SAMPLING OF BINARY
DATA PG(AD)

FIG. 37E
EX-OR

Fig. 38

INVERTING POINTS OF Q2 (AD)

NUMBER	INVERTING ADDRESS
# 1	6 2
# 2	8 7
# 3	1 7 3
# 4	2 6 4
# 5	3 4 8
# 6	4 3 0
# 7	5 1 1
# 8	6 0 5
# 9	6 8 0
# 1 0	7 7 9
# 1 1	8 5 3

Fig. 39

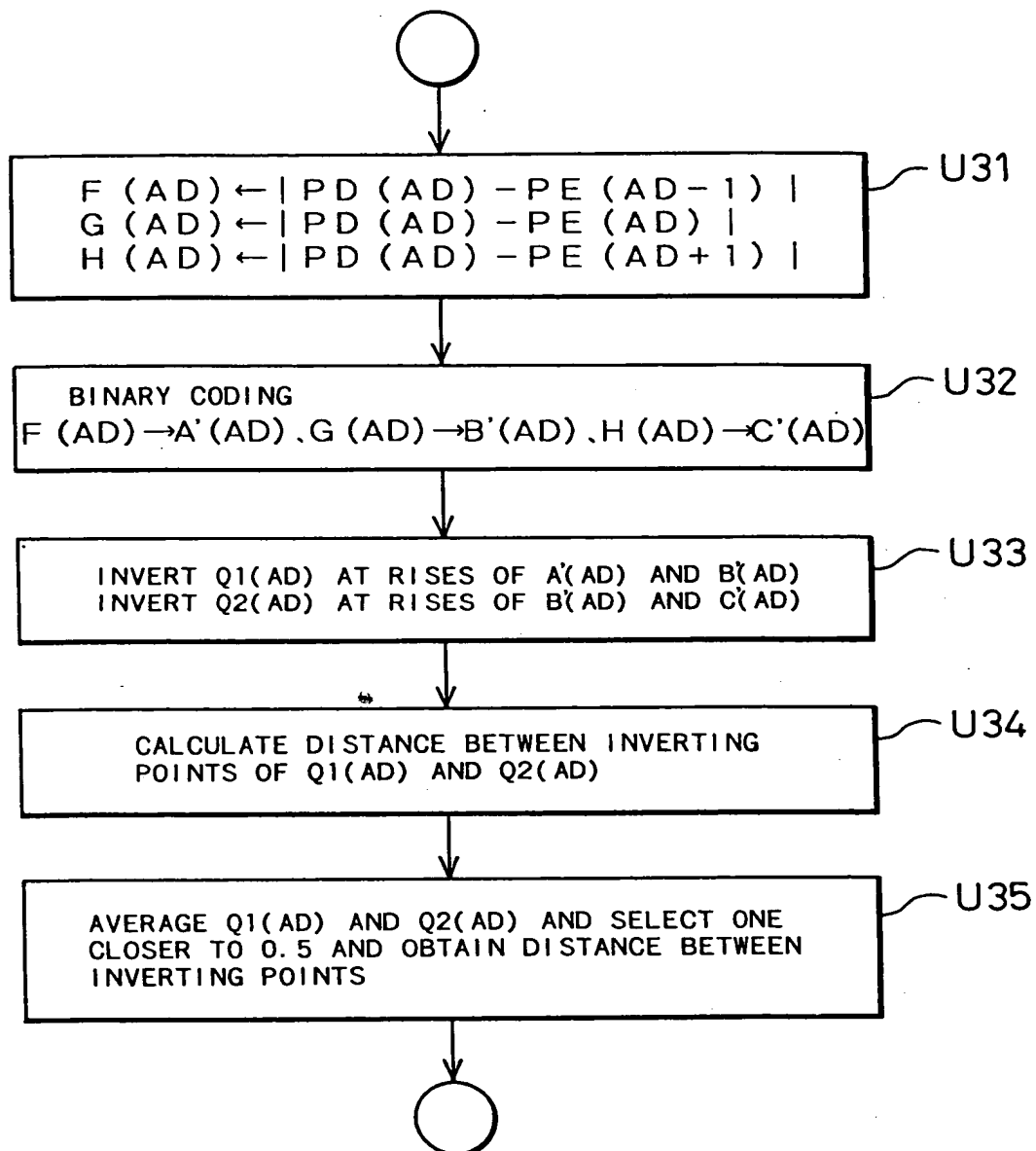
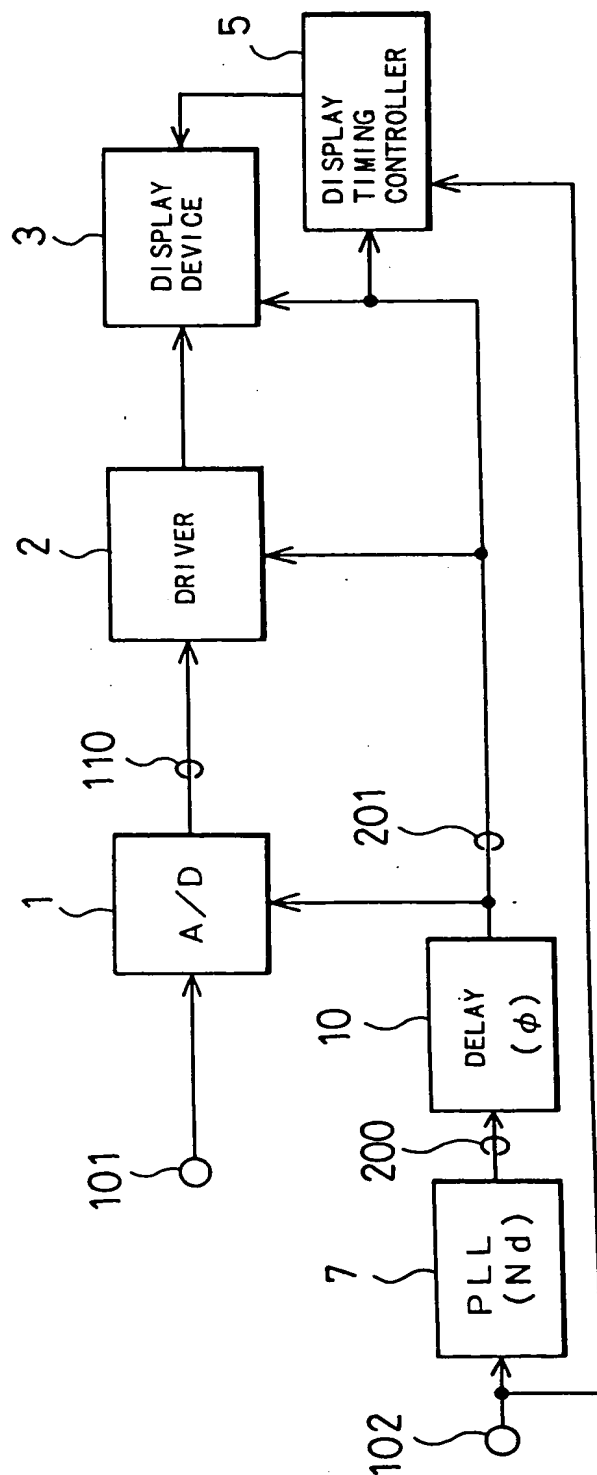


Fig. 40
PRIOR ART



STABLE RANGE 121 TRANSIENT RANGE 122

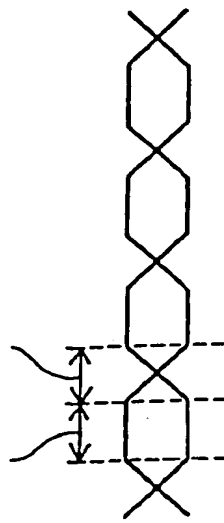


FIG. 41A
PRIOR ART

VIDEO SIGNAL 101

FIG. 41B
PRIOR ART

DOT CLOCK 201A



FIG. 41C
PRIOR ART

DOT CLOCK 201B



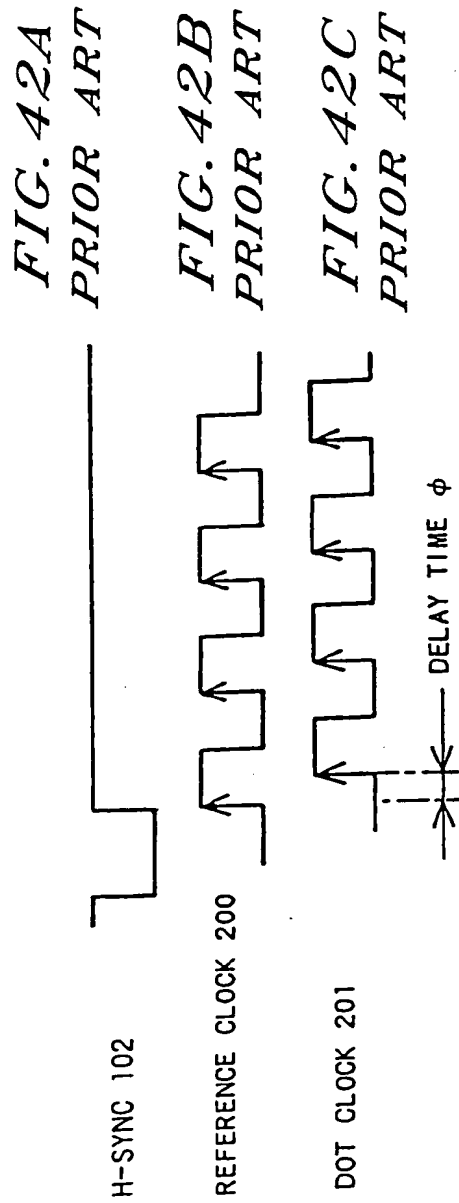
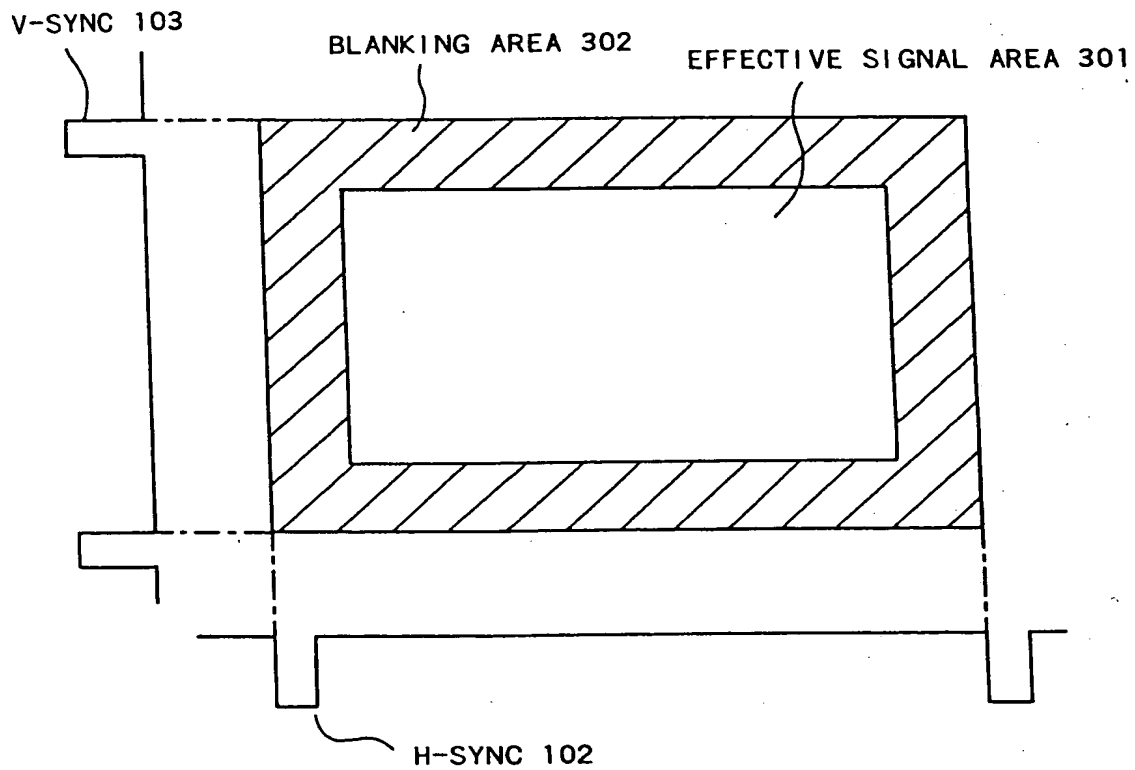


Fig. 43
PRIOR ART



VIDEO SIGNAL 101

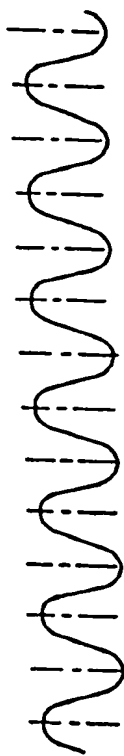


FIG. 44A1
PRIOR ART

DOT CLOCK 201

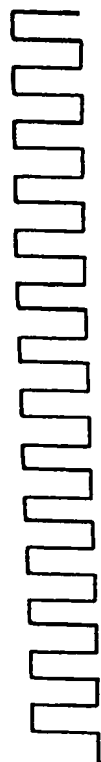


FIG. 44A2
PRIOR ART

DIGITAL VIDEO SIGNAL 110
(IN ANALOG FORM)

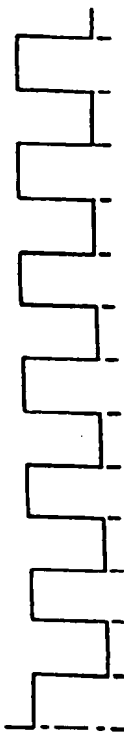


FIG. 44A3
PRIOR ART

VIDEO SIGNAL 101

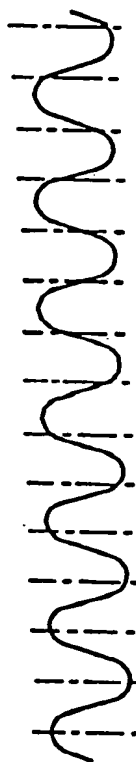


FIG. 44B1
PRIOR ART

DOT CLOCK 201



FIG. 44B2
PRIOR ART

DIGITAL VIDEO SIGNAL 110
(IN ANALOG FORM)

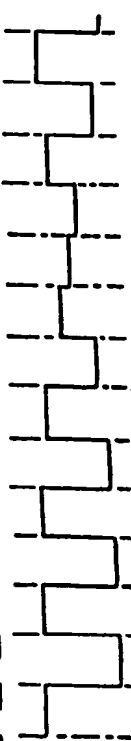


FIG. 44B3
PRIOR ART